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Checklist of ichneumonid parasitoid wasps in Switzerland (Hymenoptera, Ichneumonidae): 470 species new for the country and an appraisal of the alpine diversity

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Abstract

We here present the first comprehensive and validated species list of the parasitoid wasp family Ichneumonidae in Switzerland. The list includes 1,878 species and is based on both an extensive literature research and a review of all reliably identified specimens present in the major Swiss collections. Because of the incomplete taxonomic treatment of this largest hymenopteran family, we adopted a conservative approach, accepting only species that have been published recently and/or were identified by recognized experts. The subfamilies Adelognathinae, Brachycyrtinae, Diacritinae and Lycorininae are reported for the first time for the country, as are 470 of the 1,878 species. The true number of species of ichneumonids in Switzerland is probably much higher, given the incomplete revision of Swiss specimens and the fact that large areas of the country were studied very sparsely or not at all. The subalpine and alpine areas deserve special attention, as they show a higher ratio between the number of species per collected specimen; these areas should be the focus of intensified collecting efforts in the future. The current list may serve as a starting point for more extensive taxonomic and faunistic work on Ichneumonidae in Switzerland.

Introduction

The Ichneumonidae are one of the largest families of insects and the largest in the order Hymenoptera, with more than 25,000 species described to date (Yu et al. 2016). According to a very conservative estimate (Townes 1969), the true diversity is more than two times larger; the family is thus considered one of the most understudied groups of organisms (Quicke 2012). The gaps in our knowledge of species richness, distribution, autecology, and life history of ichneumonids hamper attempts to use the group in biodiversity research, ecological studies, and as agents in biological control, despite the fact that their parasitoid lifestyle makes them especially well-suited in all these contexts.

In Switzerland, the ichneumonid fauna has received even less attention than in the surrounding countries, as evidenced by the comparatively low number of faunistic publications. The current edition of Taxapad (Yu et al. 2016), an online database covering taxonomy, biology, and faunistics of this group, lists only 1,551 species from Switzerland (for comparison: Germany – 4,121 species; Austria – 2,588; France – 3,016; Italy – 1,798). Taxapad reports all the species that have ever been mentioned in a publication for the country, including fossil species and very old and unconfirmed records. Given the taxonomic difficulty of the group, with many genera and sometimes entire subfamilies in need of systematic revision, these records have to be interpreted with caution; however, they clearly demonstrate that Switzerland has a lot of catching-up to do with respect to the knowledge of its ichneumonid fauna.

As is the case throughout most of entomological history, the work of just a handful of dedicated collectors and taxonomists has made a large impact on our knowledge of ichneumonids in Switzerland. Very early on, the German and French entomologists Arnold Förster (1871; 1876),

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Joseph Kriechbaumer (1869; 1872a; b; 1887; 1890a; b; 1893; 1896), and Victor Berthoumieu (1895; 1896; 1899; 1900) studied Swiss specimens and described several new species, especially from the alpine regions. The first more comprehensive faunistic study was conducted by Carl Blösch (1906), who collected insects in the surroundings of Laufenburg AG. Unfortunately, only very few Swiss hymenopterists followed his example, and ichneumonid faunistics remained neglected during the following decades. Charles Ferrière produced a list of Ichneumonidae collected in the Swiss National Park (Ferrière 1947). Theodor Steck, conservator at the Natural History Museum in Bern during the late 19th and early 20th century, assembled a large collection both from the surroundings of Bern and from alpine habitats, especially in the Valais. Only very few of his findings were published (Steck 1891), but the more than 13,000 ichneumonid specimens he collected still constitute the core of the ichneumonid collections at the museums in Bern and Basel. The sphecid specialist Jacques de Beaumont took the same role a few decades later as a curator at the Musée de Zoologie in Lausanne, where he identified and curated most of his almost 17,000 ichneumonid specimens himself. Later on, he worked with the renowned specialist Jacques F. Aubert, who published numerous taxonomic revisions, catalogues and faunistic studies (Aubert 1966c; 1968a; b; 1969a; 1970c; 1978; 2000), mostly based on specimens from France, but also from Switzerland and all of Europe and the Mediterranean. Aubert's private collection, including the name-bearing types of 501 species-level taxa that he described (Klopfstein and Baur 2011), was acquired by the Musée de Zoologie, which makes their collection in Lausanne the most important ichneumonid collection in Switzerland.

More recently, most of the additional records of ichneumonids from Switzerland were generated as a by-product of taxonomic revisions conducted at a European scale, with Swiss specimens studied rather irregularly (but see Horstmann 2008; Horstmann 2011; Jussila 2001; Klopfstein 2014; Riedel 2008; 2012; 2015; 2017; Schwarz 1998; 2002a; 2007; 2015; 2016). Faunistic work was conducted almost exclusively by Georg Artmann-Graf (2012; 2014; 2015; 2016; 2017; Artmann-Graf et al. 2009), who published a series of papers on ichneumonids he collected, mostly in the surroundings of Olten, including some very rare species such as *Hellwigia obscura* (see Artmann-Graf 2012).

We here aim to summarize the available knowledge of Ichneumonidae in Switzerland in the form of a checklist, considering both species that are reported in the literature and those evidenced in the form of specimens identified by specialists in Swiss collections. Because of the many remaining taxonomic problems in the group, including a lack of reliable identification keys in many of the subfamilies, we applied rather stringent criteria with respect to which names made it on the list (for details, see Materials and Methods section); it thus represents a first but incomplete appraisal of their true diversity in this country. It will hopefully act as a starting point for more extensive ichneumonological coverage of Switzerland, which holds the potential for numerous new discoveries, especially in its poorly studied alpine habitats (Schwarz 2002b).

Material and methods

Classification

The nomenclature for this checklist is based on the newest version of the online world catalogue "Taxapad" (Yu et al. 2016), with very few modifications based on phylogenetic studies which were published later (see comments section). We did not adopt the changes to the subfamily classification of Cryptinae that were suggested in Santos (2017), but rather await for a more stable phylogeny of the concerned taxa. Taxapad also lists the genus *Eusterinx* under the subfamily Microleptinae, but this is based on an erroneous interpretation of a table in a paper on fossil ichneumonids (Antropov et al. 2014); the genus clearly belongs in Orthocentrinae (Klopfstein et al. 2018). As for lower taxonomic levels, in the few cases where a genus/species-name combination is not in accordance with the catalogue, the respective publication is indicated in the comments section. Ichneumonids have a history of widespread homonymy, with some species-level names being very commonly employed across the group (e.g., Jacques Aubert alone described 60 taxa under the species or subspecies name "*meridionator*", see Klopfstein and Baur 2011). Consultation of the catalogue is thus vital for correct interpretation of the names used here. In cases of current or only recently resolved homonymy (Kittel 2016), we refer to the author and year of the original description in the comments section.

Materials

We have recorded the label data of more than 75,000 specimens of ichneumonids at all major collections in Switzerland in the course of two GBIF.ch projects from 2005 to 2007. Many of these specimens were re-identified by specialists (see below under "Criteria for inclusion"). The examined collections are as follows:

BNM	Bündner Naturmuseum, Chur
ETHZ	Collection of the ETH, Zürich
MHNG	Muséum d'histoire naturelle, Genève
MZL	Musée cantonal de zoologie, Lausanne
NatAar	Naturama Aargau, Aarau
NMBE	Naturhistorisches Museum Bern
NMB	Naturhistorisches Museum Basel
RIE	private collection of Matthias Riedel, Bad Fallingbostel, Germany
ZSM	Zoologische Staatssammlung München

In addition, we studied some specimens from Georg Artmann-Graf's private collection, which we abbreviate as 'ART'. These data provided the basis for the checklist, together with the literature listed in the ichneumonid world catalogue for Switzerland (Yu et al. 2016). We

also examined publications from between 2015 and today, which have not been covered in the world catalogue. Most of the literature records that we deemed reliable are taxonomic treatments of particular groups that included specimens from Switzerland. Reports in ecological or biocontrol studies were only included if co-authored by a specialist, or if a specialist was specifically acknowledged for the identifications.

Criteria for inclusion

Given the taxonomic difficulties in this family, we only included species in the list that have been identified in the last 50 years by renowned specialists, i.e., researchers that can be considered specialists of subgroups of this large family, as they have published taxonomic or at least extensive faunistic treatments on ichneumonids. These specialists were Jacques F. Aubert (collection at MZL: Banchinae, Ctenopelmatinae, Pimplinae, Tryphoninae, various subfamilies), Gavin R. Broad (Natural History Museum, London: Ophioninae, Orthocentrinae), Erich Diller (ZSM: Diplazontinae, Ichneumoninae: Phaeogenini), Mike Fitton (Natural History Museum, London: Banchinae: *Banchus*), Klaus Horstmann (Universität Würzburg and ZSM: Campopleginae, Tersilochinae, various subfamilies), Rolf Hinz (Einbeck: Campopleginae, Ichneumoninae), Seraina Klopfstein (NMBE: Diplazontinae, Pimplinae, various subfamilies), Matthias Riedel (Bad Fallingbostel, Germany: Ichneumoninae), Heinz Schnee (Anomaloninae), and Martin Schwarz (Kirchschlag, Austria: Cryptinae). In the case of Aubert's work with Ctenopelmatinae, which represents his last taxonomic endeavour, we took a compromise, including only those species from his list (Aubert 2000) for which we could find identified specimens at MZL. We took the same approache for some genera of Banchinae which we considered as insufficiently revised at the time of publication (*Apophua*, *Cryptopimpla*, *Exetastes*, *Glypta*, *Lissonota*; Aubert 1978).

Another publication of somewhat uncertain reliability is the revision of the European Mesochorinae by Schwenke (1999). Many of the characters that he used for species delimitation, especially in the genus *Mesochorus*, might not be very reliable (Matthias Riedel, Andrew Bennett, pers. comm.). We nevertheless decided to include this work here, given that it is the only modern treatment of the subfamily. However, a revision of the type material and the study of large series is certainly warranted.

Identifications that go back more than 50 years, e.g., by Charles Ferriere in the collections in Geneva (MHNG) and Chur (BNM), were checked and found too unreliable. These records are thus only included here if they could be backed up by more recently identified specimens in collections or in the literature. For confirmed records, we nevertheless mention the first report for Switzerland in the literature list, in some cases complemented by a more recent reference. We also did not include species described from Switzerland in the 18th and 19th century that cannot be interpreted anymore today because the types were lost and the species have never been revised (e.g., *Ichneumon bicinctus* Fuesslin, 1775; *Mesoleptus biguttulus* Gravenhorst, 1820; *Netelia alpina* Rudow, 1886). For every species of which we have seen recently identified material, we give one of the collections where recently identified specimens are deposited.

On the other hand, we did include species that were collected on the Col de Bretolet, a mountain pass between Champéry in Valais, Switzerland and the Haute Savoie in France. Jacques F. Aubert described numerous new species from this locality, but reported them from France instead of Switzerland and labelled the specimens accordingly in his collection (Klopfstein and Baur 2011). However, most of the areas around the pass that are accessible for collecting insects are on the Swiss side, and we thus included the specimens from this locality in our list.

Analysis of altitudinal patterns

Distribution records for ichneumonid wasps from all major collections in Switzerland were obtained from GBIF.ch. Of the nearly 75'000 specimens recorded, almost 61'000 were from Switzerland and had sufficiently accurate location data to be included in an analysis of altitudinal patterns. Using a custom R script (R Core Team 2014), we extracted the number of individuals and the number of species collected in each of the 100 m altitudinal range steps, from 100 m to 2900 m above sea level. For the species but not the individual counts, we excluded specimens only identified to genus. The relationship between the number of species per collected specimen and altitude was plotted as a scatter plot and complemented by a smoothing curve fitted using the Loess algorithm as implemented in the 'scatter.smooth' function in the 'stats' package in R.

Results

Overview and altitudinal patterns

We here report 1,878 species for Switzerland, 470 of which are reported for the first time. For 1,529 of them (81%), we have examined recently identified specimens, mostly at the MZL, NMBE, NMB, and MHNG. The remaining records (349 species, 19%) stem from publications that were deemed reliable. For most of the latter, identified specimens are also present in Swiss collections, but their identification has not been reviewed recently by a specialist. 143 of the species that are listed for Switzerland in the world catalogue (Yu et al. 2016) and thus also in Fauna Europaea (which adopted its distribution records) have not been accepted for our list, because they go back to literature records that have not been confirmed by a specialist. Most of these concern records from before 1910 (such as Blösch 1906; Dalla Torre 1902; Fuesslin 1775) or by Ferrière (1947), and are often from groups that have received insufficient taxonomic and/or faunistic research. Many of these names might be added to the list again once the taxa are better studied.

Figure 1a shows the low coverage and patchiness of sampling of the family Ichneumonidae in Switzerland, especially in comparison with the very well-researched butterflies and zygaenid moths (Fig. 1b), according to data obtained from the Centre Suisse de Carthographie de la Faune. Large areas remain blank, and from most of the covered 5 km x 5 km squares used as a grid in these maps, less than 10 specimens were reported. Better-sampled localities are rare, and there are only five localities where more than 1,000 ichneumonid specimens were collected. This is despite the fact that ichneumonids potentially occur in all habitat types found in Switzerland and can often be collected in large numbers. The map thus rather reflects the places where hymenopterists were collecting than actual distributional patterns. In contrast, butterflies and zygaenid moths have been very well researched, both by private collectors and the national butterfly monitoring project.

Analysing the altitudinal records in the ichneumonid data on GBIF, we found an interesting pattern (Fig. 2). While

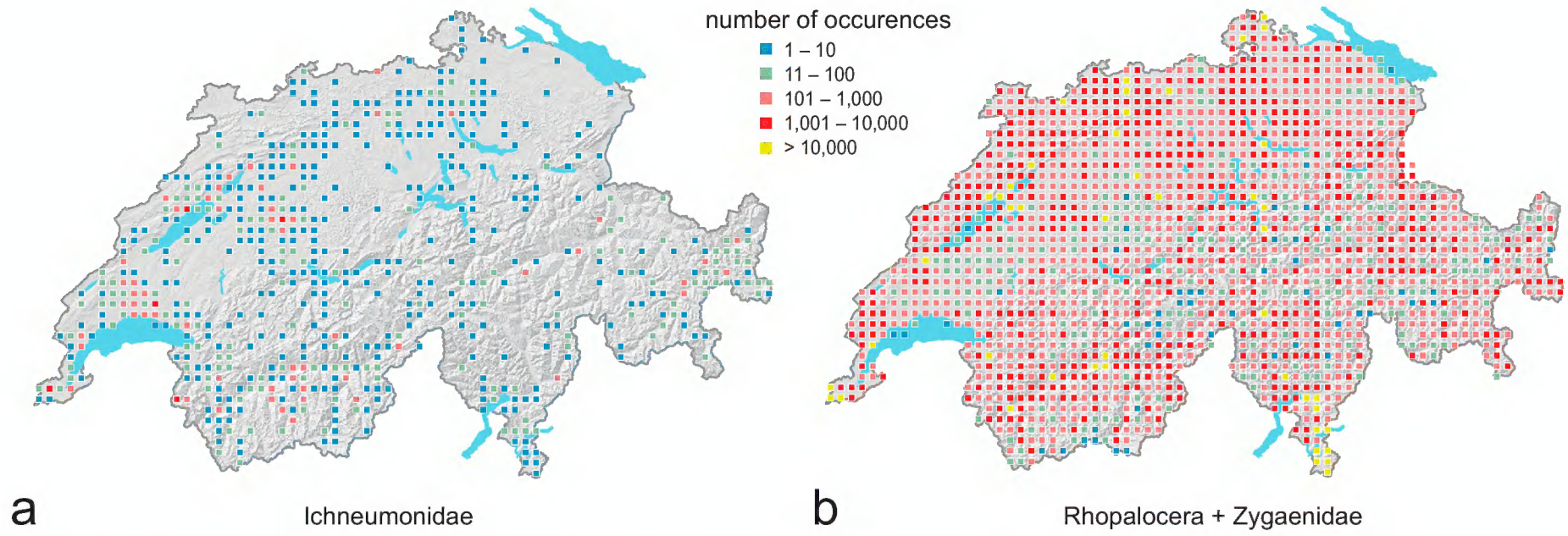

Figure 1. Occurrence data of the family Ichneumonidae (1,878 species recorded from Switzerland) and butterflies and zygaenid moths (226 species). The better-covered areas on the left map mostly reflect the main excursion areas of different hymenopterists, which might or might not correspond to centres of ichneumonid diversity. Note that the scale of the colour code is exponential.

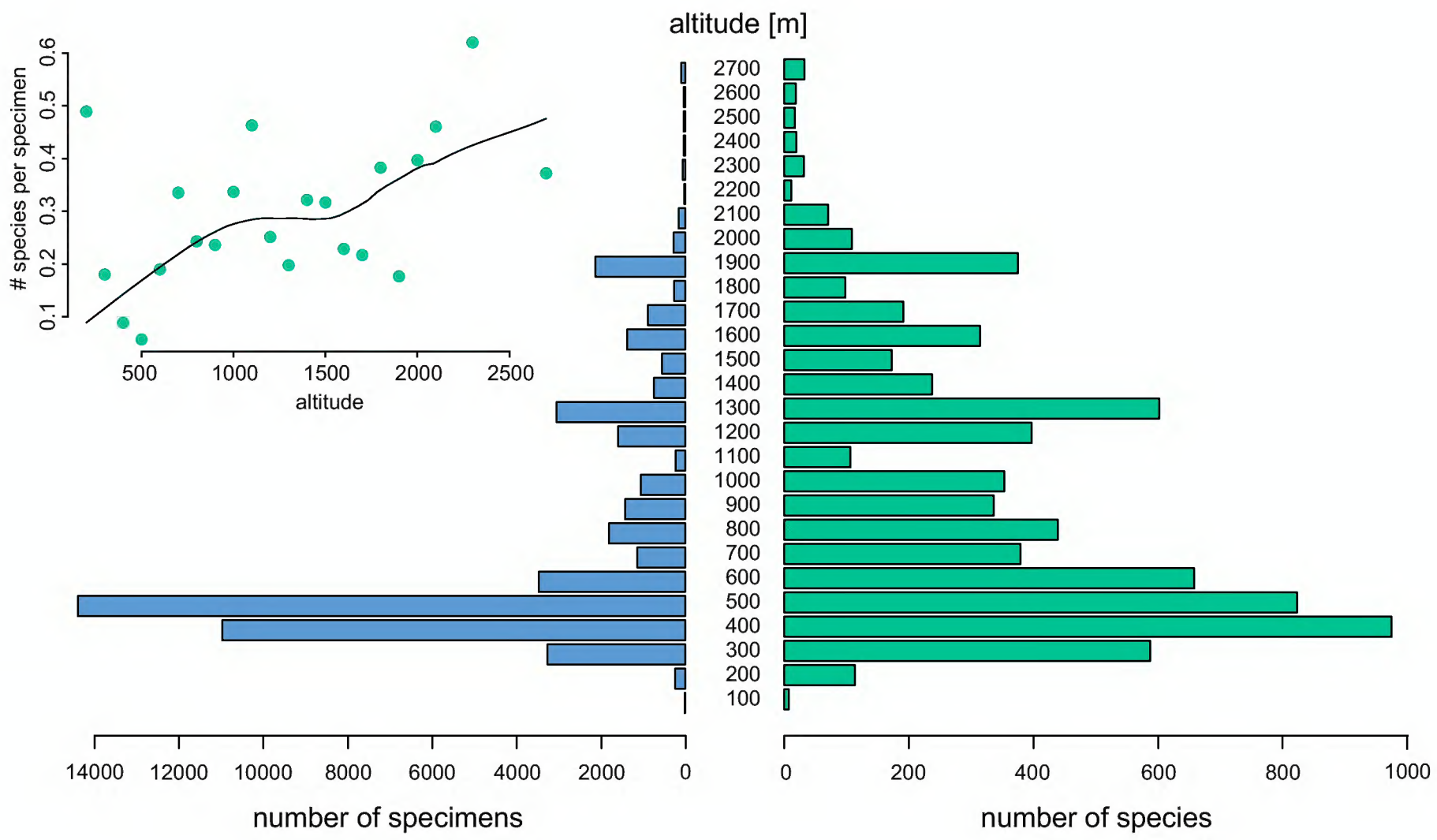

Figure 2. Altitudinal distribution of the number of specimens (left) and corresponding number of species (right) of ichneumonids in the GBIF database. The inlay on the left shows the relationship between the number of species per collected specimen and altitude, with the smoothing line fitted by the Loess algorithm.

both the number of specimens and corresponding number of species reach a maximum between 400 and 600 m altitude, the number of species is also high at higher altitudes, such as in the montane zone around 1,300 m and in the subalpine / alpine zone between 1,500 and 2,200 m, where far less specimens were collected. The relationship between the numbers of species per collected specimen is given as an inlay in Figure 2, together with a smoothing curve. It demonstrates that judging from the ichneumonid specimens collected so far in Switzerland, at higher altitudes, far fewer specimens need to be collected in order to find additional species.

List of species of Ichneumonidae in Switzerland

The species recorded below for Switzerland are listed for each subfamily, with genera and species sorted alphabetically. Species names are followed by the collection in which we have examined specimens, the literature reference in parentheses, and, if any, a references to a comment at the end of the results section (in the format "C1"). An asterix ("*") instead of a literature reference indicates that a species is here reported for Switzerland for the first time.

Acaenitinae

Acaenitus dubitator: MZL (Ferrière 1947)
Coleocentrus caligatus: NMBE (Steck 1891)
Coleocentrus croceicornis: MZL (Aubert 1969a)
Coleocentrus exareolatus: NMB (*)
Coleocentrus excitator: MZL (Blösch 1906)
Leptacoenites notabilis: MZL (*)
Mesoclistus rufipes: MZL (Blösch 1906)
Phaenolobus fraudator: NMBE (*)
Phaenolobus fulvicornis: NMBE (Bauer 2002)
Phaenolobus saltans: MZL (*)
Phaenolobus terebrator: NMBE (Ferrière 1947)
Procinetus decimator: MZL (Dalla Torre 1902)

Adelognathinae

Adelognathus brevicornis: MZL (*)
Adelognathus britannicus: MZL (*)
Adelognathus dorsalis: MZL (*)
Adelognathus laevicollis: MZL (*)
Adelognathus nigriceps: MZL (*)
Adelognathus nigrifrons: MZL (*)
Adelognathus pallipes: MZL (*)
Adelognathus pusillus: MZL (*)
Adelognathus rufithorax: MZL (*)
Adelognathus thomsoni: MZL (*)

Agriotypinae

Agriotypus armatus: MZL (Blösch 1906)

Alomyinae

Alomya debellator: NMBE (Ferrière 1947)
Alomya punctalata: (Horstmann 1998) – C2
Alomya semiflava: (Artmann-Graf et al. 2009; Coulon 1933)

Anomaloninae

Agrypon anomelas: NMBE (*)
Agrypon anxium: NMBE (Moreau et al. 2010)
Agrypon batis: NMB (*)
Agrypon canaliculatum: MHNG (*)
Agrypon clandestinum: NMBE (Blösch 1906)
Agrypon delarvatum: NMBE (Ferrière 1947)
Agrypon flaveolatum: NMBE (Anonymous 1960)
Agrypon flexorioides: MHNG (*)
Agrypon flexorium: NMBE (Blösch 1906)
Agrypon gracilipes: MHNG (*)
Agrypon interstitiale: NMBE (Schnee 1989)
Agrypon polyxenae: NMBE (*)
Agrypon varitarsum: MZL (Ferrière 1947)
Anomalon cruentatum: NMBE (Blösch 1906)
Aphanistes bellicosus: NMBE (*)
Aphanistes gliscens: MZL (Schnee 2008)
Aphanistes klugii: NMBE (*)
Aphanistes ruficornis: NMBE (Ferrière 1947)
Barylypa delictor: NMBE (*)
Barylypa helleni: NMBE (*)
Barylypa pallida: MNHG (*)
Barylypa propugnator: MZL (*)
Barylypa uniguttata: MZL (Artmann-Graf et al. 2009)
Erigorgus annulitarsis: NMBE (*)
Erigorgus cerinops: MZL (Blösch 1906)
Erigorgus femorator: NMBE (Schnee 2008)
Erigorgus fibulator: NMBE (Ferrière 1947)
Erigorgus latro: NMB (*)
Erigorgus melanobatus: NMBE (Schnee 2008)
Erigorgus procerus: NMBE (*)
Habronyx heros: NMBE (*)
Habronyx nigricornis: NMB (Delucchi 1982)
Heteropelma amictum: NMBE (Blösch 1906)
Heteropelma fulvitarse: NMBE (Artmann-Graf 2012)
Heteropelma megarthrum: NMBE (Artmann-Graf et al. 2009)
Perisphincter brevicollis: NMB (*)
Therion brevicorne: MHNG (*)
Therion circumflexum: NMBE (Schnee 2008)
Therion giganteum: MHNG (*)
Trichomma enecator: NMBE (Delucchi 1957)
Trichomma fulvidens: MZL (*)
Trichomma occisor: NMBE (*)

Banchinae

Alloplasta piceator: MZL (Blösch 1906)
Apophua bipunctoria: MZL (Blösch 1906)
Apophua evanescens: MZL (Delucchi 1957)
Apophua genalis: MZL (Aubert 1978)
Banchus crefeldensis: NMB (Aubert 1978)
Banchus dilatatorius: NMB (*)
Banchus falcatorius: NMB (Blösch 1906)
Banchus hastator: NMB (Fitton 1985)
Banchus moppiti: (Fitton 1985)
Banchus palpalis: MHNG (*)
Banchus pictus: NMB (Blösch 1906)
Banchus volutatorius: NMB (Fuesslin 1775)
Cephaloglypta murinanae: (Mills and Kenis 1991)
Cryptopimpla brevicaudis: MZL (*)

Cryptopimpla calceolata: MZL (Blösch 1906)
Cryptopimpla caligata: MZL (Blösch 1906)
Cryptopimpla errabunda: MZL (Aubert 1978; Blösch 1906)
Cryptopimpla genalis: MZL (Aubert 1969b)
Cryptopimpla helvetica: (Brauns 1901) – C2
Cryptopimpla hertrichi: MZL (Aubert 1978)
Cryptopimpla subfumata: MZL (Aubert 1978)
Diblastomorpha cylindrator: MZL (Dalla Torre 1902) – C3
Exetastes adpressorius: MZL (Blösch 1906)
Exetastes albiger: (Townes et al. 1965)
Exetastes alpius: MZL (Aubert 1978)
Exetastes atrator: NMBE (Ferrière 1947)
Exetastes crassus: NMBE (*)
Exetastes degener: MZL (Aubert 1978)
Exetastes fornicator: MZL (Blösch 1906)
Exetastes geniculosus: MZL (Ferrière 1947)
Exetastes illusor: MZL (Blösch 1906)
Exetastes illyricus: MZL (*)
Exetastes laevigator: MZL (Habermehl 1923) – C3
Exetastes nigripes: MZL (Ferrière 1947)
Exetastes rufifemur: MZL (Blösch 1906)
Glypta bifoveolata: (Artmann-Graf et al. 2009)
Glypta caudata: MZL (*)
Glypta ceratites: MZL (Blösch 1906) – C3
Glypta consimilis: MZL (Aubert 1978)
Glypta dentifera: MZL (Aubert 1978)
Glypta elongata: MZL (Aubert 1969b) – C3, C4
Glypta exophthalmus: MZL (Aubert 1978)
Glypta femorator: MZL (Aubert 1978)
Glypta gracilis: MZL (Ferrière 1947)
Glypta haesitator: NMBE (Blösch 1906)
Glypta incisa: MZL (Ferrière 1947)
Glypta lapponica: MZL (Aubert 1978)
Glypta lineata: MZL (Bovey and Ferrière 1944)
Glypta mensurator: MZL (Blösch 1906)
Glypta microcera: MZL (Aubert 1978)
Glypta nigricornis: MZL (*)
Glypta nigrina: MZL (Aubert 1978)
Glypta parvicaudata: MZL (Aubert 1978)
Glypta pedata: MZL (Aubert 1978)
Glypta pictipes: MZL (Aubert 1978)
Glypta resinanae: MZL (Aubert 1978)
Glypta rubricator: MZL (Aubert 1978) – C1
Glypta salsolicola: MZL (Aubert 1978)
Glypta sculpturata: MZL (Ferrière 1947)
Glypta scutellaris: MZL (Aubert 1978)
Glypta similis: MZL (Aubert 1978)
Glypta tegularis: NMBE (*)
Glypta tenuicornis: MZL (Aubert 1978)
Glypta teres: MZL (Aubert 1978)
Glypta tuberculator: MZL (Aubert 1972) – C1
Glypta varicoxa: MZL (Aubert 1978)
Glypta woerzi: MZL (Aubert 1978)
Lissonota accusator: MZL (Ferrière 1947)
Lissonota admontensis: MZL (Aubert 1978)
Lissonota albicoxis: MZL (Aubert 1978)
Lissonota alpinicola: (Bauer 1985) – C2
Lissonota alpivagator: MZL (Aubert 1976a) – C1
Lissonota antennalis: MZL (Aubert 1978)
Lissonota argiola: MZL (Blösch 1906)
Lissonota biguttata: MZL (Blösch 1906)
Lissonota bistrigata: NMBE (Aubert 1978)
Lissonota bivittata: MZL (*)
Lissonota buccator: MZL (Aubert 1976a)
Lissonota carbonaria: MZL (Bovey 1936)
Lissonota clypealis: MZL (Aubert 1978)
Lissonota clypeator: MZL (Ferrière 1947)
Lissonota complicator: MZL (Aubert 1978)
Lissonota coracina: MZL (Blösch 1906)
Lissonota cruentator: MZL (Aubert 1978)
Lissonota culiciformis: MZL (Blösch 1906)
Lissonota deversor: MZL (Blösch 1906)
Lissonota digestor: MZL (Aubert 1978)
Lissonota dubia: MZL (Blösch 1906)
Lissonota excelsa: MZL (Aubert 1978)
Lissonota extrema: MZL (Aubert 1978)
Lissonota fletcheri: MZL (Aubert 1978)
Lissonota folii: MZL (Delucchi 1982)
Lissonota fundator: MZL (Blösch 1906)
Lissonota histrio: MZL (Ferrière 1947)
Lissonota humerella: MZL (Aubert 1978)
Lissonota impressor: MZL (Ferrière 1947)
Lissonota linearis: MZL (*)
Lissonota lineata: MZL (Rey del Castillo 1992)
Lissonota lineolaris: MZL (Blösch 1906)
Lissonota longigena: (Bauer 1985) – C2
Lissonota luffiator: MZL (Aubert 1978)
Lissonota maculata: MZL (Habermehl 1918)
Lissonota mutator: MZL (Aubert 1969b) – C1
Lissonota nigridens: MZL (Aubert 1978)
Lissonota obscuripes: MZL (Aubert 1978)
Lissonota obsoleta: NMBE (*)
Lissonota palpalis: MZL (*)
Lissonota pectinator: MZL (Aubert 1978) – C1
Lissonota picticoxis: MZL (Aubert 1978)
Lissonota pimplator: MZL (Ferrière 1947)
Lissonota proxima: MZL (Aubert 1978)
Lissonota punctiventrator: (Aubert 1978)
Lissonota punctiventris: MZL (Aubert 1978)
Lissonota quadrinotata: MZL (Aubert 1978)
Lissonota rubricosa: MZL (Aubert 1978)
Lissonota rufitarsis: MZL (Aubert 1978)
Lissonota saturator: MZL (Delucchi 1957)
Lissonota sector: MZL (*)
Lissonota silvatica: MZL (Aubert 1969b)
Lissonota stigmator: MZL (Aubert 1978) – C1
Lissonota thuringiaca: MZL (Aubert 1978)
Lissonota transversostriata: MZL (Aubert 1978)
Lissonota variabilis: MZL (Ferrière 1947)
Lissonota versicolor: MZL (Aubert 1978)
Rynchobanchus bicolor: MZL (Artmann-Graf et al. 2009)
Syzeuctus maculipennis: NMBE (Dalla Torre 1902) – C3
Syzeuctus puberulus: NMBE (Dalla Torre 1902)
Syzeuctus szilagysagiensis: MZL (Aubert 1978)

Brachycyrtinae

Brachycyrtus ornatus: MZL (*)

Campopleginae

Bathyplectes immolator: (Horstmann 1974)
Campoletis agilis: (Riedel 2017)
Campoletis annulata: (Riedel 2017)
Campoletis ensator: (Riedel 2017)
Campoletis femoralis: (Riedel 2017)
Campoletis fuscipes: (Riedel 2017)
Campoletis latrator: (Riedel 2017)
Campoletis procerus: (Riedel 2017) – C5
Campoletis rapax: (Riedel 2017)
Campoletis rectangulator: (Riedel 2017)
Campoletis thomsoni: (Riedel 2017)
Campoletis trichoptili: (Riedel 2017)
Campoletis varians: NMBE (Ferrière 1947)
Campoletis viennensis: (Riedel 2017)
Campoletis zonata: (Artmann-Graf et al. 2009)
Campoplex alticolellae: (Horstmann 1980a)
Campoplex difformis: (Blösch 1906), Mills93
Campoplex dubitator: (Jenner et al. 2004)
Campoplex faunus: (Delucchi 1982; Mills 1993)
Campoplex helveticus: (Horstmann 1985) – C2
Campoplex laricanae: MZL (Horstmann 1985) – C1
Campoplex laricis: MZL (Horstmann 1993a) – C1
Campoplex occipitor: MZL (Delucchi 1982)
Campoplex punctipleuris: (Horstmann 1980a)
Campoplex satanator: (Aubert 1966a)
Campoplex tumidulus: (Mills and Kenis 1991)
Casinaria albipalpis: MZL (Riedel 2018)
Casinaria mesozosta: NMBE (*)
Casinaria moesta: MZL (Kenis et al. 2005)
Casinaria nigripes: MZL (Horstmann 1973)
Casinaria stygia: (Kenis et al. 2005)
Charops cantator: NMBE (Blösch 1906; Ferrière 1947)
Cymodusa antennator: (Dbar 1984)
Cymodusa leucocera: (Dbar 1984; Ferrière 1947)
Diadegma armillatum: NMBE (Blösch 1906)
Diadegma auricellae: NMBE (Horstmann 2008) – C1
Diadegma colutellae: NMBE (Horstmann 2008) – C1
Diadegma dinianator: MZL (Delucchi 1982)
Diadegma fenestrale: NMBE (Blösch 1906)
Diadegma laricinellum: ETHZ (Shaw and Horstmann 1997)
Diadegma latungulum: NMBE (*)
Diadegma satanicolor: MZL (Aubert 1971) – C1
Diadegma semiclausum: NMBE (Azidah et al. 2000)
Diadegma sordipes: (Shaw et al. 2016)
Diadegma valesiator: (Aubert 1970a) – C1
Dusona alpigena: MZL (Hinz 1972)
Dusona alpina: MZL (*)
Dusona alticola: (Artmann-Graf et al. 2009)
Dusona anceps: MZL (*)
Dusona angustata: (Horstmann 2011)
Dusona angustifrons: MZL (*)
Dusona annexa: MZL (Horstmann 2011)
Dusona bellipes: MZL (Horstmann 2011)
Dusona bicoloripes: MZL (Artmann-Graf et al. 2009)
Dusona blanda: MZL (Horstmann 2011)
Dusona bucculenta: MZL (*)
Dusona carinifrons: MZL (*)
Dusona carpathica: (Horstmann 2011)
Dusona circumcinctus: MZL (*)
Dusona circumspectans: MZL (*)
Dusona confusa: MZL (*)
Dusona cultrator: MZL (Blösch 1906)
Dusona disclusa: MZL (*)
Dusona dubitor: (Kenis et al. 2005)
Dusona erythrogaster: MZL (*)
Dusona falcator: MZL (Artmann-Graf et al. 2009)
Dusona flagellator: (Artmann-Graf et al. 2009)
Dusona genalis: MZL (Horstmann 2011)
Dusona habermehli: MZL (Horstmann 2011)
Dusona humilis: MZL (Horstmann 2011)
Dusona inermis: MZL (Kenis et al. 2005)
Dusona infesta: MZL (*)
Dusona insignita: MZL (Ferrière 1947)
Dusona juvenilis: MZL (*)
Dusona leptogaster: MZL (Horstmann 2011)
Dusona limnobia: (Horstmann 2011)
Dusona mercator: MZL (*)
Dusona montana: MZL (Teunissen 1947)
Dusona nidulator: MZL (Blösch 1906)
Dusona notabilis: MZL (*)
Dusona obliterata: MZL (Blösch 1906)
Dusona opaca: MZL (Horstmann 2011)
Dusona peregrina: MZL (*)
Dusona petiolator: MZL (*)
Dusona pineticola: MZL (Horstmann 2011)
Dusona polita: MZL (*)
Dusona prominula: MZL (Kenis et al. 2005)
Dusona pugillator: MZL (Fuesslin 1775)
Dusona pulmentariae: (Horstmann 2011)
Dusona rubidatae: (Horstmann 2011)
Dusona rugifer: MZL (*)
Dusona rugulosa: (Horstmann 2011)
Dusona sobolicida: MZL (Horstmann 2011)
Dusona spinipes: MZL (Horstmann 2011)
Dusona stenogaster: MZL (Horstmann 2011)
Dusona stragifex: MZL (Ferrière 1947)
Dusona stygia: MZL (*)
Dusona subimpressa: MZL (Horstmann 2011)
Dusona tenuis: MZL (Blösch 1906)
Dusona terebrator: MZL (*)
Dusona variator: (Hinz 1990)
Dusona vigilator: MZL (*)
Dusona xenocampta: MZL (Horstmann 2011)
Echthronomas quadrinotata: (Artmann-Graf et al. 2009)
Enytus appositor: (Shaw et al. 2016)
Enytus montanus: (Delucchi 1982; Mills 1993)
Hyposoter caudator: NMBE (Horstmann 2008) – C1
Hyposoter culminator: (Aubert 1980)
Hyposoter didymator: (Artmann-Graf et al. 2009)
Hyposoter ebeninus: NMBE (Blösch 1906)
Hyposoter placidus: NMBE (*)
Hyposoter rapacitor: (Aubert 1971)

Lathrostizus alpicola: (Horstmann 2004)
Lathrostizus lugens: (Kasparyan and Kopelke 2009; Kopelke 1994)
Lemophagus errabundus: (Haye and Kenis 2004)
Lemophagus pulcher: (Gold et al. 2001)
Macrus parvulus: NMBE (*)
Nemeritis caudatula: (Horstmann 1994)
Nemeritis fallax: NMBE (Horstmann 1994)
Nepiesta robusta: BNM (*)
Olesicampe gallicator: (Aubert 1964)
Phobocampe bicingulata: (Artmann-Graf et al. 2009; Blösch 1906)
Phobocampe crassiuscula: (Blösch 1906; Kenis et al. 2005)
Porizon moderator: (Brockerhoff and Kenis 1996)
Rhimphoctona megacephalus: (Artmann-Graf et al. 2009)
Rhimphoctona obscuripes: (Horstmann 1980b)
Rhimphoctona rufocoxalis: (Ferrière 1947; Horstmann 1980b)
Rhimphoctona teredo: (Horstmann 1980b)
Rhimphoctona xoridiformis: (Blösch 1906; Horstmann 1980b)
Sinophorus bilimbus: (Sanborne 1984) – C2
Sinophorus cotidianus: (Sanborne 1984) – C2
Sinophorus latifossus: (Sanborne 1984) – C2
Sinophorus turionum: NMBE (Bovey and Ferrière 1944)
Sinophorus villosus: (Sanborne 1984)
Tranosema nigridens: MZL (Horstmann 1978)
Tranosema rostrale: (Mills and Kenis 1991)

Collyriinae

Collyria coxator: MZL (Blösch 1906)
Collyria trichophthalma: MZL (Klopfstein et al. 2011)

Cremastinae

Cremastus bellicosus: MZL (Blösch 1906)
Cremastus crassicornis: MZL (*)
Cremastus geminus: MZL (Sedivy 1970)
Cremastus puberulus: MZL (Sedivy 1970)
Cremastus spectator: MZL (*)
Dimophora evanialis: MZL (*)
Dimophora nitens: MZL (Ferrière 1947)
Pristomerus armatus: (Horstmann 1990a)
Pristomerus horribilis: (Horstmann 1990a)
Pristomerus orbitalis: MZL (Delucchi 1957)
Pristomerus vulnerator: MZL (Bovey and Ferrière 1944)

Cryptinae

Aconias tarsatus: MZL (Ferrière 1947)
Acrolyta rufocincta: MZL (Ferrière 1947)
Acroricnus stylator: NMBE (Habermehl 1918)
Agasthenes varitarsus: ART (*)
Agrothereutes abbreviatus: NMBE (Blösch 1906)
Agrothereutes adustus: NMBE (*)
Agrothereutes aterrimus: MZL (*)
Agrothereutes fumipennis: NMBE (Blösch 1906)
Agrothereutes hospes: NMBE (Ferrière 1947)
Agrothereutes leucorhaeus: NMBE (Blösch 1906)
Agrothereutes mandator: NMBE (Blösch 1906)
Agrothereutes mansuetor: MZL (*)
Agrothereutes tibialis: NMBE (Blösch 1906) – C6
Apsilops cinctorius: NMBE (*)
Aptesis cretata: MZL (Coulon 1933)
Aptesis exannulata: MZL (*)
Aptesis femoralis: NMBE (Ferrière 1947)
Aptesis flagitator: NMBE (*)
Aptesis jejunator: NMBE (Blösch 1906)
Aptesis nigricollis: MZL (Ferrière 1947)
Aptesis nigritula: MZL (*)
Aptesis nigrocincta: NMBE (Kopelke 1994)
Aptesis polita: (Bauer 1985)
Aptesis pugnax: NMBE (*)
Aptesis terminata: NMBE (Blösch 1906)
Aritranis director: NMBE (*)
Aritranis explorator: ART (*)
Aritranis nigrifemur: MZL (*)
Aritranis nigripes: NMBE (Schwarz 2005)
Aritranis occisor: NMBE (Schwarz 2005)
Ateleute linearis: MZL (*)
Atractodes albovinctus: MZL (*)
Atractodes alpinus: (Jussila 2001)
Atractodes ambiguus: (Jussila 1979)
Atractodes angustipennis: (Jussila 2001)
Atractodes assimilis: (Jussila 2001)
Atractodes bicolor: (Blösch 1906; Jussila 2001) – C3
Atractodes croceicornis: (Jussila 2001)
Atractodes designatus: (Jussila 2001) – C2
Atractodes exilis: (Förster 1876; Jussila 1979) – C3
Atractodes exitialis: (Jussila 1979) – C7
Atractodes ficticius: (Förster 1876; Jussila 1979) – C2
Atractodes helveticus: (Förster 1876; Jussila 2001) – C2
Atractodes incrassator: (Jussila 1979)
Atractodes pauxillus: (Förster 1876; Jussila 2001) – C3
Atractodes pediophilus: (Förster 1876; Jussila 2001) – C3
Atractodes picipes: (Jussila 1979)
Atractodes pusillus: (Förster 1876; Jussila 2001) – C3
Bathythrix aerea: MZL (Sawoniewicz 1980)
Bathythrix argentata: MZL (*)
Bathythrix claviger: NMBE (*)
Bathythrix collaris: MZL (*)
Bathythrix decipiens: MZL (*)
Bathythrix formosa: MZL (*)
Bathythrix fragilis: MZL (*)
Bathythrix illustris: MZL (*)
Bathythrix lamina: MZL (Artmann-Graf et al. 2009)
Bathythrix linearis: NMBE (*)
Bathythrix pellucidator: MZL (Blösch 1906)
Bathythrix strigosa: MZL (*)
Bathythrix tenuis: NMBE (*)
Bathythrix thomsoni: MZL (*)
Brachypimpla brachyura: MZL (Ferrière 1947)
Buathra divisoria: NMBE (*)
Buathra laborator: NMBE (Habermehl 1918)
Buathra tarsoleucos: NMBE (Blösch 1906)
Chirotica albobasalis: MZL (Horstmann 1983)
Chirotica decorator: (Horstmann 1983)

Chirotica tenuipes: (Horstmann 1983) – C2
Colocnema rufina: NMBE (Blösch 1906)
Cratocryptus subpetiolatus: MZL (*)
Cremnodes atricapillus: (Horstmann 1993b)
Cryptus armator: ZSM (Schwarz 2015)
Cryptus bucculentus: NMBE (Schwarz 2015)
Cryptus dianae: NMBE (Habermehl 1918)
Cryptus fibulatus: MZL (Schwarz 2015)
Cryptus immitis: NMBE (Ferrière 1947)
Cryptus inculcator: NMBE (Fuesslin 1775)
Cryptus inquisitor: NMBE (Schwarz 2015)
Cryptus luctuosus: MZL (Schwarz 2015) – C8
Cryptus lugubris: NMBE (Ferrière 1947)
Cryptus macellus: MZL (*)
Cryptus minator: MZL (Schwarz 2015)
Cryptus moschator: NMB (Habermehl 1918)
Cryptus obscuripes: NMBE (Schwarz 2015)
Cryptus spinosus: NMBE (Schwarz 2015)
Cryptus spiralis: MZL (Schwarz 2015)
Cryptus titubator: MZL (Habermehl 1918)
Cryptus triguttatus: MZL (Schwarz 2015)
Cryptus tuberculatus: MZL (Ferrière 1947)
Cryptus valesiacus: (Schwarz 2015)
Cryptus viduatorius: NMBE (Blösch 1906)
Cubocephalus anatorius: NMBE (Artmann-Graf et al. 2009)
Cubocephalus associator: NMBE (Ferrière 1947)
Cubocephalus femoralis: NMBE (*)
Cubocephalus incurvator: MZL (Aubert 1977) – C1
Cubocephalus nigriventris: NMBE (*)
Cubocephalus sternocerus: NMBE (*)
Cubocephalus thomsoni: MZL (*)
Demopheles corruptor: NMBE (*)
Dichrogaster aestivalis: MZL (*)
Dichrogaster liostylus: MZL (*)
Dichrogaster longicaudata: MZL (*)
Dichrogaster modesta: (Townes 1983)
Dichrogaster perlae: NMBE (Townes 1983)
Dichrogaster schimitscheki: NMBE (*)
Echthrus reluctator: NMBE (Blösch 1906) – C3
Enclisis macilenta: MZL (Schwarz 1989)
Enclisis ornaticeps: MZL (*)
Enclisis vindex: MZL (Artmann-Graf et al. 2009)
Endasys alutaceus: MZL (Sawoniewicz and Luhman 1992)
Endasys annulatus: MZL (Sawoniewicz and Luhman 1992)
Endasys brevis: MZL (Blösch 1906)
Endasys cnemargus: NMBE (Sawoniewicz and Luhman 1992)
Endasys euxestus: MZL (Sawoniewicz and Luhman 1992)
Endasys femoralis: NMBE (*)
Endasys lissorulus: MZL (Sawoniewicz and Luhman 1992)
Endasys melanopodis: MZL (*)
Endasys melanurus: (Sawoniewicz and Luhman 1992)
Endasys plagiator: MZL (Artmann-Graf et al. 2009)
Endasys rugifacies: MZL (*)
Endasys rusticus: MZL (*)
Endasys senilis: MZL (Blösch 1906)
Endasys stictogastris: MZL (Sawoniewicz and Luhman 1992)
Endasys transverseareolatus: MZL (*)
Endasys varipes: (Sawoniewicz and Luhman 1992)
Eudelus scabriculus: MZL (*)
Eudelus simillimus: MZL (*)
Gambrus bipunctatus: MZL (*)
Gambrus carnifex: MZL (*)
Gambrus ornatus: MZL (Ferrière 1947)
Gambrus tricolor: MZL (*)
Gelis agilis: NMBE (Ferrière 1947)
Gelis albicinctoides: (Schwarz 1998) – C2
Gelis areator: NMBE (Ferrière 1947)
Gelis bicolor: (Schwarz 2002a)
Gelis caudatulus: NMBE (*)
Gelis cinctus: NMBE (Blösch 1906)
Gelis cursitans: (Schwarz 1998)
Gelis discedens: NMBE (Schwarz 2002a)
Gelis fortificator: (Schwarz 1998)
Gelis hortensis: NMBE (*)
Gelis intermedius: NMBE (Schwarz 2002a)
Gelis meigenii: (Schwarz 1998)
Gelis melanocephalus: NMBE (Blösch 1906)
Gelis melanophorus: (Schwarz 2002a)
Gelis micrurus: (Schwarz 2002a)
Gelis mutillatus: NMBE (*)
Gelis nigritulus: (Schwarz 1998)
Gelis petraeus: (Schwarz 1998)
Gelis proximus: NMBE (Ferrière 1947)
Gelis pulicarius: NMBE (*)
Gelis recens: NMBE (*)
Gelis rotundiventris: (Schwarz and Horstmann 1993) – C3
Gelis seyrigi: (Schwarz 1998)
Gelis spurius: NMBE (Schwarz 2002a)
Gelis stevenii: (Schwarz 1998)
Gelis trux: NMBE (Blösch 1906)
Gelis vicinus: NMBE (Blösch 1906; Diller and Horstmann 1997) – C3, C9
Gelis viduus: (Schwarz 2002a)
Gelis zeirapherator: MZL (Delucchi 1982)
Giraudia grisescens: MZL (Coulon 1933)
Giraudia gyratoria: NMBE (Blösch 1906)
Glyphicnemis atrata: NMBE (Habermehl 1919)
Glyphicnemis profligator: NMBE (Ferrière 1947)
Helcostizus restaurator: NMBE (Blösch 1906)
Hemiteles bipunctator: NMBE (*)
Hidryta fusiventris: MZL (*)
Hidryta sordida: MZL (*)
Hoplocryptus bellosus: NMBE (Schwarz 2007)
Hoplocryptus besseianus: NMBE (Schwarz 2007)
Hoplocryptus bohemani: MZL (Schwarz 2007)
Hoplocryptus confector: MZL (Blösch 1906)
Hoplocryptus coxator: MZL (Schwarz 2007)
Hoplocryptus heliophilus: MZL (Schwarz 2007)

Hoplocryptus magrettii: MZL (Habermehl 1919)
Hoplocryptus melanocephalus: MZL (Schwarz 2007)
Hoplocryptus murarius: NMBE (Schwarz 2007)
Hoplocryptus odoriferator: MZL (Schwarz 2007)
Idiolispa analis: NMBE (Blösch 1906)
Idiolispa grossa: MZL (*)
Idiolispa hungarica: MZL (*)
Idiolispa obfuscator: NMBE (*)
Idiolispa subalpina: (Ferrière 1947; Schwarz 1988) – C3
Isadelphus helveticus: (Horstmann 2009) – C2
Isadelphus inimicus: MZL (Bovey 1937)
Isadelphus longisetosus: MZL (Bovey 1936)
Ischnus agitator: NMBE (*)
Ischnus alternator: NMBE (Blösch 1906)
Ischnus inquisitorius: NMBE (Blösch 1906)
Ischnus migrator: NMBE (Aubert 1968a) – C3
Javra anomala: MZL (*)
Javra tenebrosa: (Aubert 1968a) – C2
Latibulus argiolus: MZL (Ferrière 1947)
Listrognathus firmator: NMBE (Horstmann 1990b)
Listrognathus furax: NMBE (*)
Listrognathus helveticae: NMBE (Horstmann 1968) – C2
Listrognathus mactator: NMBE (*)
Listrognathus obnoxius: NMBE (Ferrière 1947)
Listrognathus pubescens: NMBE (Horstmann 1990b)
Lochetica westoni: MZL (Blösch 1906)
Lysibia nana: NMBE (Blösch 1906)
Mastrus deminuens: NMBE (Blösch 1906)
Mastrus varicoxis: NMBE (Bovey 1936)
Meringopus attentorius: NMBE (*)
Meringopus calescens: NMBE (Habermehl 1918) – C3
Meringopus cyanator: NMBE (*)
Meringopus nigerrimus: NMBE (Ferrière 1947)
Meringopus titillator: NMBE (Fuesslin 1775)
Meringopus turanus: MZL (Blösch 1906) – C10
Mesoleptus congener: (Jussila et al. 2010) – C2
Mesoleptus devotus: (Jussila et al. 2010) – C3
Mesoleptus incessor: MZL (Dalla Torre 1902; Jussila et al. 2010) – C3
Mesoleptus laevigatus: (Dalla Torre 1902; Jussila et al. 2010)
Mesoleptus laticinctus: NMBE (Dalla Torre 1902; Jussila et al. 2010) – C3
Mesoleptus pronus: (Jussila et al. 2010) – C3
Mesoleptus vigilatorius: (Artmann-Graf et al. 2009)
Mesostenus albinotatus: NMBE (*)
Mesostenus dentifer: NMBE (*)
Mesostenus funebris: NMBE (*)
Mesostenus transfuga: NMBE (Blösch 1906)
Myrmeleonostenus italicus: NMBE (Dalla Torre 1902)
Nematopodius formosus: NMBE (Blösch 1906)
Nippocryptus quadriannulatus: MZL (Schwarz 2018)
Nippocryptus vittatorius: MZL (*)
Odontoneura annulicornis: MZL (*)
Oresbius arridens: MZL (Blösch 1906)
Oresbius bipunctatus: MZL (*)
Oresbius leucopsis: NMBE (Blösch 1906)
Oresbius subguttatus: NMBE (*)
Parmortha pleuralis: NMBE (*)
Phygadeuon elegans: (Horstmann 1993b)
Phygadeuon geniculatus: (Horstmann 2001b)
Phygadeuon trichops: NMBE (Wishart et al. 1957)
Picardiella melanoleuca: NMBE (*)
Plectocryptus albulatorius: MZL (*)
Plectocryptus alpinus: NMBE (*)
Plectocryptus effeminatus: (Artmann-Graf et al. 2009)
Plectocryptus periculosus: NMBE (*)
Pleolophus brachypterus: NMBE (Blösch 1906)
Pleolophus larvatus: MZL (*)
Pleolophus vestigialis: NMBE (Horstmann 1993c) – C3
Polytribax arrogans: NMBE (Blösch 1906)
Polytribax pelinocheirus: NMBE (Ferrière 1947)
Polytribax perspicillator: NMBE (Artmann-Graf et al. 2009)
Polytribax picticornis: MZL (*)
Polytribax rufipes: NMBE (Blösch 1906)
Polytribax senex: (Kriechbaumer 1893) – C2
Pycnocryptodes crenulatus: (Horstmann 2000) – C2
Pycnocryptodes insinuator: MZL (Oehlke and Townes 1969) – C3
Pygocryptus brevicornis: NMBE (*)
Pygocryptus rufofacialis: NMBE (*)
Rhembobius perscrutator: MZL (*)
Rhembobius quadrispinus: NMBE (Blösch 1906)
Schenkia crassicornis: MZL (*)
Schenkia opacula: MZL (*)
Schenkia rubricollis: NMBE (Habermehl 1919)
Schenkia rufithorax: MZL (*)
Schreineria populnea: NMBE (Horstmann 1990b)
Sphecophaga vesparum: MZL (Blösch 1906; Dalla Torre 1902)
Stenarella domator: NMBE (Blösch 1906)
Stibeutes heinemanni: (Horstmann 1993b)
Stibeutes tricinctor: (Aubert 1968a)
Stilpnus blandus: MZL (*)
Stilpnus gagates: NMBE (Blösch 1906) – C3
Stilpnus montanus: (Jussila 1987) – C2
Stilpnus parvulus: MZL (*)
Stilpnus pavoniae: (Jussila 1987) – C3
Stilpnus tenebricosus: (Jussila 1987) – C3
Thaumatogelis neesii: NMBE (*)
Theroscopus alpator: MZL (Aubert 1989b) – C1
Theroscopus hemipteron: (Horstmann 1993b)
Theroscopus pedestris: NMBE (Blösch 1906)
Thrybius brevispina: MZL (*)
Thrybius praedator: MZL (*)
Tropistes falcatus: MZL (*)
Tropistes nitidipennis: MZL (*)
Trychosis ambigua: NMBE (*)
Trychosis atripes: MZL (*)
Trychosis gradaria: MZL (Dalla Torre 1902; Ferrière 1947)
Trychosis ingrata: NMBE (Blösch 1906)
Trychosis jugorum: (Schwarz 2018) – C6
Trychosis legator: NMBE (Blösch 1906)
Trychosis neglecta: NMBE (Blösch 1906)

Trychosis pauper: NMBE (*)
Trychosis priesneri: NMBE (van Rossem 1971)
Trychosis tristator: NMBE (Artmann-Graf et al. 2009)
Xenolytus bitinctus: MZL (*)
Xylophrurus augustus: MZL (Ferrière 1947)
Xylophrurus coraebi: (Artmann-Graf et al. 2009)
Xylophrurus lancifer: MZL (*)
Zoophthorus laticinctus: NMBE (Brauns 1888) – C3

Ctenopelmatinae

Absyrtus vernalis: MZL (Aubert 2000)
Absyrtus vicinator: MZL (Aubert 2000)
Alexeter clavator: MZL (Aubert 2000)
Alexeter gracilentus: MZL (Aubert 2000)
Alexeter hypargyrici: (Hinz 1996)
Alexeter nebulator: MZL (Aubert 2000)
Alexeter niger: MZL (Aubert 2000)
Alexeter rapinator: MZL (Aubert 2000)
Alexeter segmentarius: MZL (Blösch 1906)
Anisotacrus bipunctatus: MZL (Aubert 2000)
Anisotacrus xanthostigma: MZL (Aubert 2000)
Anoncus gallicola: (Kasparyan and Kopelke 2009)
Asthenara scabricula: MZL (Aubert 2000)
Asthenara socia: MZL (Aubert 2000)
Azelus erythropalpus: MZL (Aubert 2000)
Barytarbes adpropinquator: MZL (Ferrière 1947)
Barytarbes flavoscutellatus: MZL (Aubert 2000)
Barytarbes illuminator: MZL (Aubert 2000)
Barytarbes pectoralis: MZL (Aubert 2000)
Barytarbes superbus: MZL (Aubert 2000)
Bremiella pulchella: NMBE (Kriechbaumer 1890b) – C1
Ctenopelma elegantulum: MZL (Aubert 2000)
Ctenopelma luciferum: MZL (Blösch 1906)
Ctenopelma nigripenne: MZL (Aubert 2000) – C3
Ctenopelma nigrum: MZL (Aubert 2000)
Ctenopelma ruficorne: MZL (Aubert 2000)
Ctenopelma rufiventre: MZL (Aubert 2000)
Ctenopelma tomentosum: MZL (Ferrière 1947)
Dentimachus politus: MZL (Aubert 1970b)
Euryproctus alpinus: MZL (Aubert 2000)
Euryproctus annulatus: MZL (Aubert 2000)
Euryproctus bivinctus: MZL (Aubert 2000)
Euryproctus crassicornis: MZL (Aubert 2000)
Euryproctus geniculosus: MZL (Blösch 1906)
Euryproctus holmgreni: MZL (Aubert 1969c) – C3
Euryproctus luteicornis: MZL (Aubert 2000)
Euryproctus mundus: MZL (Aubert 2000)
Euryproctus nemoralis: MZL (Blösch 1906)
Glyptorhaestus punctatus: MZL (Aubert 2000)
Gunomeria macrodactylus: MZL (Aubert 2000)
Gunomeria sordida: MZL (Aubert 2000)
Hadrodactylus confusus: MZL (Aubert 2000)
Hadrodactylus faciator: MZL (Idar 1981)
Hadrodactylus femoralis: (Idar 1981)
Hadrodactylus flavifrons: (Idar 1981)
Hadrodactylus flavofacialis: (Horstmann 2000)
Hadrodactylus fugax: MZL (Ferrière 1947)
Hadrodactylus genalis: NMBE (*)
Hadrodactylus gracilipes: (Artmann-Graf et al. 2009; Aubert 2000)
Hadrodactylus indefessus: (Kasparyan and Shaw 2009)
Hadrodactylus insignis: MZL (Aubert 2000)
Hadrodactylus rectinervis: MZL (Aubert 2000)
Hadrodactylus semirufus: MZL (Aubert 2000)
Hadrodactylus tiphae: MZL (Aubert 2000)
Hadrodactylus villosulus: MZL (Aubert 2000)
Himerta defectiva: MZL (Aubert 2000)
Himerta scutellaris: MZL (*)
Himerta sepulchralis: MZL (Aubert 2000)
Homaspis rufina: MZL (Aubert 2000)
Homaspis subalpina: MZL (Aubert 2000)
Hypamblys albopictus: MZL (Aubert 2000)
Hypamblys romani: MZL (Aubert 2000)
Hyperbatus aemulus: (Kasparyan 1998)
Labrossyta scotoptera: MZL (Aubert 2000)
Lagarotis alpina: MZL (Aubert 2000)
Lagarotis debitor: MZL (Blösch 1906)
Lagarotis pubescens: MZL (Ferrière 1947)
Lagarotis semicaligata: MZL (Aubert 2000)
Lagarotis simulator: (Artmann-Graf et al. 2009)
Lagarotis ustulata: MZL (*)
Lamachus alpinator: MZL (*) – C1
Lamachus australis: MZL (Mey and Oehlke 1988) – C2
Lamachus coalitorius: MZL (*)
Lamachus consimilis: MZL (*)
Lamachus cruralis: MZL (Aubert 2000)
Lamachus dispar: MZL (Aubert 2000)
Lamachus frutetorum: (Aubert 2000)
Lamachus virgultorum: MZL (*)
Lathiponus semiluctuosus: MZL (Aubert 2000)
Lathrolestes buccinator: MZL (Aubert 2000)
Lathrolestes caudatus: MZL (*)
Lathrolestes citreus: MZL (Aubert 2000)
Lathrolestes erythrocephalus: MZL (Blösch 1906)
Lathrolestes luteolator: MZL (Aubert 2000)
Lathrolestes morator: MZL (Aubert 1984)
Lathrolestes nigricollis: MZL (Aubert 2000)
Lathrolestes orbitalis: MZL (Aubert 2000)
Lathrolestes pictilis: MZL (Aubert 2000)
Lathrolestes pleuralis: (Reshchikov 2015)
Lathrolestes tripunctor: MZL (Aubert 2000)
Lathrolestes verticalis: MZL (Aubert 2000)
Lethades curvispina: MZL (Aubert 2000)
Lethades schaffneri: (Hinz 1996) – C2
Lethades subcoriaceus: (Hinz 1976) – C3
Mesoleius altalpinus: (Bauer 1985) – C2
Mesoleius armillatorius: MZL (Blösch 1906)
Mesoleius aulicus: (Artmann-Graf et al. 2009; Ferrière 1947)
Mesoleius lindemansi: (Kasparyan 2000)
Mesoleptidea cingulata: MZL (Blösch 1906)
Mesoleptidea hohenwartensis: MZL (Aubert 2000)
Mesoleptidea prosoleuca: MZL (Ferrière 1947)
Mesoleptidea stalii: MZL (Aubert 2000)
Mesoleptidea sylvatica: MZL (Aubert 2000)
Notopygus emarginatus: MZL (Aubert 2000)

Notopygus nigricornis: MZL (*)
Occapes selandriae: MZL (Aubert 2000)
Oetophorus naevius: MZL (Aubert 2000)
Olethrodotis modesta: MZL (Aubert 2000)
Opheltes glaucopterus: MZL (Aubert 2000)
Otlophorus anceps: MZL (Aubert 2000)
Otlophorus congruens: MZL (*)
Otlophorus italicus: MZL (*)
Otlophorus nigritarsus: (Horstmann 1999)
Otlophorus pulverulentus: MZL (Aubert 2000)
Pantorhaestes xanthostomus: MZL (Aubert 2000)
Perilimicron alticolator: MZL (Aubert 1989a) – C1
Perilissus albitarsis: MZL (Aubert 2000)
Perilissus alpestrator: MZL (Aubert 1969c)
Perilissus banaticus: MZL (Aubert 2000)
Perilissus compressus: MZL (Aubert 2000)
Perilissus coxalis: MZL (Aubert 2000)
Perilissus holmgreni: MZL (Aubert 2000)
Perilissus lutescens: MZL (Aubert 2000)
Perilissus pallidus: MZL (Blösch 1906)
Perilissus rufoniger: MZL (Blösch 1906)
Perilissus sericeus: MZL (Aubert 2000)
Perilissus spilonotus: MZL (Aubert 2000)
Perilissus unguiculator: MZL (Aubert 1987) – C1
Perilissus variator: MZL (Blösch 1906)
Perispuda bignellii: MZL (Aubert 2000)
Perispuda facialis: MZL (Aubert 2000)
Perispuda mesoxantha: MZL (Aubert 2000)
Perispuda sulphurata: MZL (Aubert 2000)
Phobetes alpinator: MZL (Aubert 1976a) – C1
Phobetes cerinostomus: MZL (*)
Phobetes leptocerus: MZL (Aubert 2000)
Phobetes thomsoni: MZL (Aubert 2000)
Pion fortipes: MZL (Blösch 1906)
Pion nigripes: MZL (Aubert 2000)
Priopoda apicaria: MZL (Aubert 2000)
Priopoda xanthopsana: MZL (Blösch 1906)
Priopoda xanthopsanator: MZL (*) – C11
Protarchus melanurus: MZL (*)
Protarchus testatorius: MZL (Ferrière 1947)
Rhaestus lativentris: MZL (Aubert 2000)
Rhaestus ophthalmicus: MZL (Aubert 2000)
Rhaestus rufipes: MZL (Aubert 2000)
Rhinotorus alpinus: MZL (*)
Rhinotorus leucostomus: MZL (*)
Rhinotorus nasutus: MZL (*)
Rhorodes petiolator: MZL (Aubert 1970b) – C1
Rhorus alpinator: MZL (Aubert 1965a) – C1
Rhorus alpinipunctor: MZL (Kasparyan 2014)
Rhorus brunnifemur: (Kasparyan 2015)
Rhorus chrysopus: MZL (Kasparyan 2017)
Rhorus exstirpatorius: MZL (Blösch 1906)
Rhorus femoralis: MZL (Aubert 2000)
Rhorus flavopictus: MZL (*)
Rhorus longicornis: MZL (Blösch 1906)
Rhorus longigena: MZL (Aubert 2000)
Rhorus palustris: MZL (Aubert 2000)
Rhorus punctus: MZL (Aubert 2000)
Rhorus subfasciatus: MZL (Aubert 2000)
Rhorus substitutor: MZL (Eichhorn 1977)
Saotis mirabilis: MZL (Kasparyan and Kopelke 2010)
Saotis morleyi: (Kasparyan and Kopelke 2010)
Saotis nigriscuta: MZL (*)
Saotis nigriventris: (Kasparyan and Kopelke 2010)
Saotis pygidiator: (Kasparyan 2009)
Scolobates auriculatus: MZL (Aubert 2000)
Scolobates nigerrimus: MZL (Aubert 2000)
Scopesis bicolor: MZL (Ferrière 1947)
Scopesis frontator: MZL (Blösch 1906)
Scopesis gesticulator: MZL (Blösch 1906)
Scopesis macropus: MZL (Aubert 2000)
Scopesis obscura: MZL (Aubert 2000)
Scopesis polita: MZL (Aubert 2000)
Scopesis rubrotincta: MZL (Aubert 2000)
Scopesis rufonotata: MZL (*)
Scopesis tegularis: MZL (Aubert 2000)
Sympherta antilope: MZL (Aubert 2000)
Sympherta canaliculata: MZL (Aubert 2000)
Sympherta facialis: MZL (Aubert 2000)
Sympherta foveolator: MZL (Aubert 2000)
Sympherta montana: MZL (Aubert 2000)
Sympherta obligator: MZL (Aubert 2000)
Sympherta styriaca: (Artmann-Graf et al. 2009)
Sympherta sulcata: MZL (Aubert 2000)
Sympherta ullrichi: MZL (Ferrière 1947)
Syndipnus alpicolor: MZL (Aubert 1998) – C1
Syndipnus conformis: MZL (Aubert 2000)
Syndipnus lateralis: MZL (Aubert 2000)
Syndipnus macrocerus: MZL (*)
Syndipnus pannicularius: MZL (Aubert 2000)
Synodites amoenus: (Aubert 1976a)
Synodites breviusculus: MZL (Blösch 1906)
Synodites decipiens: MZL (Aubert 1998)
Synodites erosus: (Aubert 2000)
Synodites notatus: MZL (Aubert 2000)
Synodites orbitalis: MZL (*)
Synoecetes alpinator: MZL (Aubert 1970b)
Synoecetes anterior: MZL (Aubert 2000)
Synoecetes tenuicornis: MZL (Aubert 2000)
Synomelix albipes: MZL (Aubert 2000)
Synomelix faciator: (Aubert 2000)
Syntactus delusor: MZL (Fuesslin 1775)
Syntactus minor: MZL (Aubert 2000)
Trematopygodes aprilinus: MZL (Aubert 2000)
Trematopygus horvathi: (Hinz 1986)
Trematopygus melanocerus: MZL (Hinz 1986)
Trematopygus nigricornis: MZL (Aubert 2000)
Trematopygus ruficornis: (Aubert 2000)
Trematopygus vellicans: MZL (Aubert 2000)
Xenoschesis fulvicornis: MZL (Ferrière 1947)
Xenoschesis fulvipes: MZL (Ferrière 1947)
Xenoschesis ustulata: MZL (Blösch 1906)
Zaplethocornia filicornutor: MZL (Aubert 1976a)
Zaplethocornia procurator: MZL (Blösch 1906)

Cylloceriinae

Allomacrus arcticus: MZL (Dalla Torre 1902)
Cylloceria caligata: (van Rossem 1981)
Cylloceria melancholica: NMB (Ferrière 1947)
Cylloceria occupator: MZL (*)

Diacritinae

Diacritus aciculatus: MZL (*)

Diplazontinae

Bioblapsis cultiformis: NMBE (Klopfstein et al. 2007)
Bioblapsis polita: MZL (Klopfstein 2014)
Campocraspedon annulitarsis: NMBE (Klopfstein 2014)
Campocraspedon caudatus: NMBE (Klopfstein et al. 2007)
Daschia brevitarsis: MZL (Dalla Torre 1902) – C2
Diplazon angustus: NMBE (Diller 1986) – C3
Diplazon annulatus: MZL (Ferrière 1947)
Diplazon cascadensis: ZSM (Diller 1986) – C3
Diplazon deletus: NMBE (Klopfstein et al. 2007)
Diplazon flixi: NMBE (Klopfstein 2014)
Diplazon laetatorius: MZL (Blösch 1906)
Diplazon multicolor: MHNG (Klopfstein et al. 2007)
Diplazon neoalpinus: NMBE (Klopfstein et al. 2011)
Diplazon pallicoxa: MZL (Klopfstein et al. 2011)
Diplazon parvus: NMBE (Klopfstein 2014)
Diplazon pectoratorius: NMBE (Blösch 1906)
Diplazon scutatorius: NMBE (Klopfstein et al. 2007)
Diplazon tetragonus: NMBE (Blösch 1906)
Diplazon tibiatorius: NMBE (Blösch 1906)
Diplazon varicoxa: NMBE (Ferrière 1947)
Diplazon zetteli: NMBE (Klopfstein 2014)
Enizemum nigricorne: MZL (Klopfstein 2014)
Enizemum ornatum: MZL (Klopfstein et al. 2007)
Enizemum scutellare: MZL (Klopfstein 2014)
Episemura ensata: MZL (Klopfstein 2014)
Fossatyloides gracilentus: NMBE (Klopfstein et al. 2007)
Homotropus collinus: MZL (Klopfstein 2014)
Homotropus dimidiatus: MZL (Klopfstein 2014)
Homotropus elegans: MZL (Klopfstein 2014)
Homotropus frontorius: MZL (Klopfstein 2014)
Homotropus haemorrhoidalis: NMB (Klopfstein 2014)
Homotropus longiventris: MZL (Klopfstein et al. 2010)
Homotropus megaspis: MZL (Klopfstein et al. 2007)
Homotropus melanogaster: NMBE (Klopfstein et al. 2007)
Homotropus nigritarsus: NMBE (Beirne 1941)
Homotropus nigrolineatus: MZL (Klopfstein et al. 2007)
Homotropus pallipes: MZL (Beirne 1941)
Homotropus pictus: NMBE (Blösch 1906)
Homotropus signatus: NMBE (Townes et al. 1965)
Homotropus sundevalli: NMBE (Klopfstein 2014)
Phthorima compressa: NMBE (Seyrig 1928)
Phthorima obscuripennis: MZL (Klopfstein 2014)
Phthorima xanthaspis: NMBE (Klopfstein 2014)
Promethes bridgmani: MZL (Beirne 1941)
Promethes melanaspis: MZL (Seyrig 1928)
Promethes nigriventris: MZL (Klopfstein et al. 2011)
Promethes sulcator: NMBE (Blösch 1906)
Sussaba aciculata: NMBE (Klopfstein et al. 2007)
Sussaba cognata: NMBE (Beirne 1941)
Sussaba dorsalis: NMBE (Klopfstein et al. 2007)
Sussaba erigator: NMBE (Ferrière 1947)
Sussaba flavipes: NMBE (Diller 1980)
Sussaba placita: MZL (Klopfstein 2014)
Sussaba pulchella: NMBE (Dalla Torre 1902)
Sussaba punctiventris: NMBE (Klopfstein et al. 2007)
Sussaba roberti: NMBE (Klopfstein 2014)
Syrphoctonus desvignesii: MZL (Klopfstein et al. 2010)
Syrphoctonus fissorius: MZL (Klopfstein et al. 2010)
Syrphoctonus idari: ZSM (Diller 1985)
Syrphoctonus tarsatorius: NMBE (Beirne 1941)
Syrphophilus bizonarius: NMBE (Blösch 1906)
Syrphophilus stibarus: MZL (Aubert 1976a)
Syrphophilus tricinctorius: NMBE (Klopfstein et al. 2007)
Tymmophorus erythrozonus: NMBE (Beirne 1941)
Tymmophorus obscuripes: NMBE (Klopfstein et al. 2007)
Tymmophorus suspiciosus: NMBE (Beirne 1941)
Woldstedtius bauri: NMBE (Klopfstein 2014)
Woldstedtius biguttatus: MZL (Klopfstein et al. 2007)
Woldstedtius citropectoralis: MZL (Klopfstein et al. 2007)
Woldstedtius flavolineatus: MZL (Klopfstein et al. 2007)
Woldstedtius holarcticus: NMBE (Klopfstein et al. 2007)
Woldstedtius nigrolineatops: NMBE (Klopfstein 2014)
Xestopelta gracillima: MZL (Klopfstein 2014)

Eucerotinae

Euceros kiushuensis: (Barron 1978)
Euceros pruinosus: (Barron 1978; Blösch 1906)

Hybrizontinae

Hybrizon buccatus: (Blösch 1906; van Achterberg 1999)

Ichneumoninae

Achaius margineguttatus: (Hilpert et al. 1993) – C3
Achaius oratorius: NMBE (Blösch 1906)
Aethecerus discolor: MZL (Fulmek 1968)
Aethecerus dispar: MZL (*)
Aethecerus exilis: MZL (*)
Aethecerus longulus: MZL (*)
Aethecerus nitidus: MZL (Blösch 1906)
Aethecerus placidus: MZL (*)
Aethecerus regius: MZL (*)
Aethecerus rugifrons: MZL (*)
Aglaojoppa centummaculata: NMBE (*)
Amblyjoppa fuscipennis: NMBE (Ferrière 1947)
Amblyjoppa proteus: NMBE (*)
Amblyteles armatorius: NMBE (Blösch 1906)
Anisobas cingulatellus: NMB (Blösch 1906)
Anisobas hostilis: (Horstmann 2007)
Anisobas platystylus: (Chapman 1910; Horstmann 2007)
Anisobas rebellis: MZL (Horstmann 2007)
Aoplus castaneus: NMBE (Hilpert et al. 1993; Pic 1926) – C3

Aoplus defraudator: NMBE (Artmann-Graf 2016)
Aoplus mustela: (Bauer 2001)
Aoplus ochropis: NMBE (Artmann-Graf 2016)
Aoplus ruficeps: NMBE (Blösch 1906)
Aoplus theresae: (Berthoumieu 1896) – C2
Apaeleticus bellicosus: MZL (*)
Apaeleticus inimicus: MZL (Dalla Torre 1902)
Apaeleticus mesostictus: NMB (*)
Asthenolabus latiscapus: MZL (*)
Asthenolabus vitratorius: MZL (Coulon 1933)
Baeosemus mitigosus: MZL (*)
Baeosemus oenescens: MZL (Habermehl 1917) – C2
Baranisobas ridibundus: NMBE (Dalla Torre 1902) – C3
Barichneumon anator: NMBE (Blösch 1906)
Barichneumon anatorius: (Berthoumieu 1899; Diller and Horstmann 1997) – C2
Barichneumon bilunulatus: MZL (Blösch 1906)
Barichneumon chionomus: NMBE (Ferrière 1947)
Barichneumon derogator: (Bauer 2001)
Barichneumon gemellus: MZL (Artmann-Graf 2016)
Barichneumon peregrinator: (Artmann-Graf 2016; Fuesslin 1775)
Barichneumon praeceptor: (Artmann-Graf 2012)
Callajoppa cirrogaster: MZL (Blösch 1906)
Callajoppa exaltatoria: MZL (Blösch 1906)
Catadelphus arrogator: NMBE (*)
Centeterus confector: MZL (Blösch 1906)
Centeterus major: MZL (*)
Centeterus rubiginosus: MZL (Bauer 2001)
Chasmias motatorius: NMBE (Blösch 1906)
Chasmias paludator: NMBE (Blösch 1906)
Coelichneumon albicillus: NMBE (Riedel 2012)
Coelichneumon atratorius: MZL (Ferrière 1947)
Coelichneumon biannulatus: NMBE (Bauer 2001)
Coelichneumon biguttorius: NMBE (Riedel 2012)
Coelichneumon biguttulatus: NMBE (Artmann-Graf 2012)
Coelichneumon bilineatus: NMBE (Kirchner 1867)
Coelichneumon bohemani: NMB (Pic 1902) – C3
Coelichneumon comitator: NMBE (Fuesslin 1775)
Coelichneumon consimilis: NMBE (Tischbein 1881) – C3
Coelichneumon cyaniventris: NMBE (Artmann-Graf et al. 2009)
Coelichneumon desinatorius: NMBE (Artmann-Graf et al. 2009)
Coelichneumon dorsosignatus: MZL (Riedel 2012)
Coelichneumon dubius: MZL (Riedel 2012)
Coelichneumon eburnifrons: MZL (Artmann-Graf 2012)
Coelichneumon erythromerus: NMB (Horstmann 2000)
Coelichneumon falsificus: NMBE (Artmann-Graf 2012)
Coelichneumon funebrator: NMBE (Horstmann 2006c)
Coelichneumon graecus: NMBE (Riedel 2012)
Coelichneumon haemorrhoidalis: NMBE (Artmann-Graf 2012) – C3
Coelichneumon impressor: NMBE (Habermehl 1916)
Coelichneumon leucocerus: NMBE (Blösch 1906)
Coelichneumon metidjensis: NMB (Riedel 2012)
Coelichneumon nigerrimus: MZL (Riedel 2012)
Coelichneumon nobilis: NMBE (Riedel 2012)
Coelichneumon ophiusae: NMBE (Riedel 2012) – C3
Coelichneumon opulentus: NMB (Riedel 2012)
Coelichneumon orbitator: NMB (Riedel 2012)
Coelichneumon rudis: NMBE (Riedel 2012)
Coelichneumon ruficauda: NMB (Blösch 1906; Riedel 2012)
Coelichneumon sinister: NMBE (Artmann-Graf et al. 2009)
Coelichneumon sugillatorius: NMBE (Fuesslin 1775) – C3
Coelichneumon validus: NMBE (Riedel 2012)
Colpognathus celerator: MZL (Blösch 1906)
Colpognathus divisus: MZL (Coulon 1933)
Cotiheresiarches dirus: NMBE (*)
Cratichneumon coruscator: NMBE (Fuesslin 1775)
Cratichneumon culex: NMBE (Blösch 1906)
Cratichneumon flavifrons: NMBE (Artmann-Graf et al. 2009)
Cratichneumon fugitivus: NMBE (Berthoumieu 1899) – C3
Cratichneumon jocularis: NMBE (Bauer 2001)
Cratichneumon luteiventris: NMBE (Blösch 1906)
Cratichneumon parvulus: NMBE (Dalla Torre 1902; Horstmann 2006a) – C1
Cratichneumon rufifrons: NMBE (*)
Cratichneumon semirufus: (Artmann-Graf 2012)
Cratichneumon sexarmillatus: (Artmann-Graf 2016)
Cratichneumon sicarius: NMBE (Blösch 1906)
Cratichneumon versator: NMBE (Artmann-Graf 2016)
Cratichneumon viator: NMBE (Blösch 1906)
Crypteffigies albilarvatus: NMBE (Delucchi 1982)
Crypteffigies lanius: (Artmann-Graf 2016)
Crytea sanguinator: NMBE (Artmann-Graf et al. 2009)
Ctenichneumon divisorius: NMBE (Ferrière 1947)
Ctenichneumon funereus: NMBE (Blösch 1906)
Ctenichneumon inspector: NMBE (Bauer 2001)
Ctenichneumon melanocastanus: NMBE (Blösch 1906)
Ctenichneumon messorius: (Artmann-Graf 2017; Habermehl 1917)
Ctenichneumon nitens: (Bauer 2001; Blösch 1906)
Ctenichneumon panzeri: ETHZ (Artmann-Graf et al. 2009; Blösch 1906)
Ctenichneumon repentinus: (Artmann-Graf 2017) – C12
Cyclolabus alpinus: (Habermehl 1917; Riedel 2006) – C2
Cyclolabus axillatorius: MZL (Blösch 1906)
Cyclolabus nigricollis: NMB (*)
Dentilabus variegatus: NMBE (*)
Diadromus albinotatus: MZL (*)
Diadromus collaris: MZL (*)
Diadromus heteroneurus: MZL (*)
Diadromus intermedius: MZL (Berthoumieu 1899) – C3
Diadromus pulchellus: (Mason et al. 2013)
Diadromus subtilicornis: MZL (Berthoumieu 1899) – C3
Diadromus tenax: MZL (*)
Diadromus troglodytes: MZL (*)
Diadromus varicolor: MZL (Habermehl 1917)
Diaschisaspis campoplegoides: MZL (*)
Dicaelotus andrei: MZL (*)
Dicaelotus cameroni: MZL (*)

Dicaelotus montanus: MZL (*)
Dicaelotus parvulus: MZL (*)
Dicaelotus pictus: MZL (*)
Dicaelotus punctiventris: MZL (*)
Dicaelotus ruficornis: MZL (*)
Dicaelotus rufiventris: (Berthoumieu 1899; Diller and Horstmann 1994) – C2
Diphyus amatorius: NMBE (Blösch 1906)
Diphyus arduus: (Berthoumieu 1896) – C2
Diphyus ater: (Wesmael 1855) – C2
Diphyus bicingulatus: (Artmann-Graf 2017; Ferrière 1947)
Diphyus castanopyga: (Artmann-Graf 2017; Dalla Torre 1902)
Diphyus gibbosus: (Berthoumieu 1899; Diller and Horstmann 1997) – C2
Diphyus latebricola: (Artmann-Graf 2017)
Diphyus luctatorius: (Artmann-Graf 2017; Fuesslin 1775)
Diphyus mercatorius: NMBE (Vidal 1993)
Diphyus ochromelas: NMBE (Blösch 1906)
Diphyus palliatorius: NMBE (Tischbein 1881) – C3
Diphyus politus: (Townes et al. 1965) – C2
Diphyus pseudomercator: (Artmann-Graf 2017)
Diphyus quadripunctorius: NMBE (Blösch 1906)
Diphyus raptorius: (Artmann-Graf 2017; Fuesslin 1775)
Diphyus salicatorius: NMBE (Artmann-Graf 2017)
Diphyus septemguttatus: NMBE (Bauer 2001)
Dirophanes callopus: MZL (Berthoumieu 1900) – C3
Dirophanes coryphaeus: MZL (*)
Dirophanes foveolatus: MZL (*)
Dirophanes fulvitarsis: MZL (Blösch 1906)
Dirophanes invisor: MZL (Blösch 1906)
Dirophanes maculicornis: MZL (*)
Dirophanes mysticus: MZL (*)
Dirophanes regenerator: MZL (Dalla Torre 1902)
Ectopius rubellus: MZL (*)
Ectopoides brevicornis: MZL (*)
Epitomus infuscatus: MZL (*)
Eupalamus lacteator: NMBE (*)
Eupalamus oscillator: (Artmann-Graf 2016)
Eurylabus larvatus: MZL (*)
Eurylabus torvus: MZL (Blösch 1906)
Eurylabus tristis: MZL (*)
Eutanyacra crispatoria: (Artmann-Graf et al. 2009; Blösch 1906)
Eutanyacra glaucatoria: (Artmann-Graf 2017; Blösch 1906)
Eutanyacra ruficornis: NMBE (Artmann-Graf 2017)
Exephanes fulvescens: MZL (*)
Exephanes ischioxanthus: MZL (Artmann-Graf et al. 2009)
Exephanes occupator: MZL (Zwölfer 1962)
Exephanes riesei: MZL (*)
Gareila nivata: (Artmann-Graf 2016)
Gareila patruelis: NMBE (*)
Goedartia alboguttata: MZL (Blösch 1906)
Hemichneumon subdolus: MZL (*)
Heresiarches eudoxius: MZL (*)
Herpestomus arridens: MZL (Berthoumieu 1899) – C3
Herpestomus brunnicornis: MZL (Blösch 1906)
Heterischnus bicolorator: MZL (Aubert 1965b) – C1
Heterischnus coxator: (Fitton 1982) – C2
Heterischnus debilis: MZL (*)
Heterischnus filiformis: MZL (*)
Heterischnus truncator: MZL (Blösch 1906) – C3
Homotherus locutor: (Artmann-Graf 2016)
Homotherus varipes: (Artmann-Graf 2016)
Hoplismenus krapinensis: ART (*)
Hoplismenus lamprolabus: ART (*)
Hoplismenus pica: (Meyer 1933, Artmann-Graf et al. 2009)
Hoplismenus krapinensis: ART (Blösch 1906)
Hypomecus quadriannulatus: NMB (*)
Ichneumon acosmus: ZSM (Kriechbaumer 1880) – C2, C13
Ichneumon acuticornis: (Hilpert 1992)
Ichneumon affector: NMBE (Habermehl 1916) – C3
Ichneumon albiger: NMBE (Ferrière 1947)
Ichneumon alius: NMBE (Dalla Torre 1902)
Ichneumon alpestriops: (Hilpert 1992)
Ichneumon alpinator: NMBE (Tschopp et al. 2013)
Ichneumon analis: MZL (*)
Ichneumon analisorius: MZL (*)
Ichneumon balteatus: MZL (*)
Ichneumon bellipes: (Hilpert 1992)
Ichneumon berninae: NMBE (Dalla Torre 1902) – C2
Ichneumon bucculentus: MZL (Blösch 1906)
Ichneumon caedator: MZL (Ferrière 1947)
Ichneumon caloscelis: MZL (Blösch 1906)
Ichneumon cerebrosus: MZL (Hilpert 1992) – C2
Ichneumon cerinthius: NMBE (Dalla Torre 1902; Hilpert 1992) – C3
Ichneumon cessator: MZL (Ferrière 1947)
Ichneumon computatorius: MZL (Blösch 1906)
Ichneumon confusor: MZL (Blösch 1906)
Ichneumon coniger: MZL (*)
Ichneumon cynthiae: (Hilpert 1992)
Ichneumon deliratorius: NMBE (Artmann-Graf 2015)
Ichneumon dilleri: NMBE (Berthoumieu 1896) – C3
Ichneumon emancipatus: MZL (Ferrière 1947)
Ichneumon erythromerus: (Hilpert 1992; Kirchner 1867)
Ichneumon exilicornis: MZL (Kirchner 1867)
Ichneumon extensorius: NMBE (Fuesslin 1775)
Ichneumon formosus: (Ferrière 1947; Hilpert 1992)
Ichneumon freyi: NMBE (Hilpert 1992) – C2
Ichneumon gracilentus: MZL (Blösch 1906) – C3
Ichneumon gracilicornis: NMBE (Ferrière 1947)
Ichneumon gratus: (Hilpert 1992; Wesmael 1855) – C2
Ichneumon haematonotus: MZL (*)
Ichneumon haemorrhoicus: (Ferrière 1947; Hilpert 1992)
Ichneumon helveticus: (Hilpert 1992) – C2, C14
Ichneumon ignobilis: MZL (Dalla Torre 1902; Hilpert 1992)
Ichneumon ingratus: (Artmann-Graf 2012)
Ichneumon inops: (Artmann-Graf et al. 2009; Hilpert 1992)
Ichneumon inquinatus: NMBE (Coulon 1933)
Ichneumon insidiosus: (Hilpert 1992)
Ichneumon languidus: (Hilpert 1992)
Ichneumon ligatorius: (Hilpert 1992; Kirchner 1867) – C3
Ichneumon lugens: NMBE (Tschopp et al. 2013)
Ichneumon luteipes: MZL (Wesmael 1855) – C2
Ichneumon macilentus: (Hilpert 1992)

Ichneumon marmotus: (Hilpert 1992) – C2
Ichneumon megapodius: MZL (Habermehl 1916) – C3
Ichneumon melanosomus: MZL (Wesmael 1855) – C2
Ichneumon melanotis: (Artmann-Graf et al. 2009; Ferrière 1947)
Ichneumon memorator: MZL (Ferrière 1947)
Ichneumon minutorius: MZL (Ferrière 1947)
Ichneumon molitorius: (Artmann-Graf et al. 2009; Fuesslin 1775) – C15
Ichneumon novemalbatus: MZL (Artmann-Graf 2015)
Ichneumon obliteratus: (Wesmael 1855) – C2
Ichneumon oblongus: MZL (Blösch 1906)
Ichneumon oviventroides: (Hinz 1975)
Ichneumon parengensis: NMBE (*)
Ichneumon pinquicornis: (Hilpert 1992)
Ichneumon polyxanthus: (Kriechbaumer 1869) – C2
Ichneumon primatorius: NMBE (Ferrière 1947)
Ichneumon proletarius: NMBE (Hilpert 1992)
Ichneumon pseudocaloscelis: NMBE (Hilpert 1992)
Ichneumon quadrialbatus: MZL (Ferrière 1947)
Ichneumon quaesitorius: MZL (Fuesslin 1775)
Ichneumon rufigena: (Kriechbaumer 1869) – C2
Ichneumon sarcitorius: (Fuesslin 1775; Hilpert 1992)
Ichneumon saxifragator: (Artmann-Graf 2015) – C13
Ichneumon sculpturatus: MZL (*)
Ichneumon sexcinctus: (Hilpert 1992; Meyer 1933)
Ichneumon silaceus: (Artmann-Graf 2015; Habermehl 1916)
Ichneumon simulans: NMBE (Hilpert 1992)
Ichneumon stramentarius: NMBE (Blösch 1906) – C3
Ichneumon stramentor: (Hilpert 1992)
Ichneumon suspiciosus: MZL (Ferrière 1947)
Ichneumon terminatorius: (Blösch 1906; Hilpert 1992)
Ichneumon trialbatus: (Artmann-Graf et al. 2009; Meyer 1933)
Ichneumon tuberculipes: MZL (Hilpert 1992)
Ichneumon vafer: NMBE (Hilpert 1992)
Ichneumon validicornis: MZL (*)
Ichneumon villepreuxae: (Habermehl 1909) – C3, C16
Ichneumon vorax: (Ferrière 1947; Hilpert 1992)
Ichneumon vulneratorius: MZL (*)
Ichneumon xanthorius: (Artmann-Graf et al. 2009)
Limerodops elongatus: NMBE (Bauer 2001)
Limerodops subsericans: (Artmann-Graf et al. 2009; Blösch 1906)
Linycus exhortator: NMBE (Blösch 1906)
Linycus flavitarsis: NMB (*)
Listrodromus nycthemerus: MZL (*)
Lymantrichneumon disparis: (Artmann-Graf et al. 2009; Blösch 1906)
Mevesia alternans: MZL (Artmann-Graf et al. 2009)
Mevesia arguta: MZL (*)
Misetus oculatus: MZL (*)
Neotypus coreensis: NMBE (Blösch 1906)
Neotypus melanocephalus: NMBE (*)
Neotypus nobilitator: (Bauer 2001)
Notosemus bohemani: MZL (*)
Oiorhinus pallipalpis: MZL (*)
Oronotus binotatus: MZL (*)
Orotylus mitis: MZL (*)
Patrocloides sputator: (Artmann-Graf et al. 2009; Blösch 1906)
Phaeogenes curator: MZL (*)
Phaeogenes heterogonus: MZL (*)
Phaeogenes melanogonos: MZL (Blösch 1906)
Phaeogenes nigridens: MZL (Coulon 1933)
Phaeogenes planifrons: MZL (Artmann-Graf et al. 2009)
Phaeogenes semivulpinus: MZL (*)
Platylabops apricus: (Artmann-Graf 2016)
Platylabops lariciatae: (Kenis et al. 2005)
Platylabus auriculatus: MZL (Riedel 2008)
Platylabus baueri: NMBE (Riedel 2008)
Platylabus curtorius: NMBE (*)
Platylabus dolorosus: (Pic 1902; Riedel 2008) – C3
Platylabus gigas: MZL (Riedel 2008)
Platylabus helveticus: NMB (Riedel 2008) – C1
Platylabus heteromallus: (Riedel 2008)
Platylabus histrio: MZL (Riedel 2008)
Platylabus intermedius: NMBE (Riedel 2008)
Platylabus iridipennis: NMB (Riedel 2008)
Platylabus mesoleucus: MZL (Riedel 2008)
Platylabus neglectus: MZL (Riedel 2008)
Platylabus obator: NMB (Riedel 2008)
Platylabus odiosus: NMB (Riedel 2008)
Platylabus oehlkei: NMB (Riedel 2008)
Platylabus opaculus: NMB (Riedel 2008)
Platylabus orbitalis: (Blösch 1906; Riedel 2008) – C3
Platylabus pallidens: (Riedel 2008)
Platylabus perexiguus: MZL (Riedel 2008)
Platylabus pseudopumilio: MZL (Riedel 2008)
Platylabus pumilio: MZL (Riedel 2008)
Platylabus ruficoxatus: NMB (Riedel 2008)
Platylabus rufus: NMBE (Blösch 1906; Riedel 2008)
Platylabus transversus: MZL (Riedel 2008)
Platylabus tricingulatus: NMB (Riedel 2008)
Platylabus vibratorius: NMB (Blösch 1906)
Platymischos atriventris: NMB (Meyer 1933)
Platymischos bassicus: MZL (*)
Pristicerops infractorius: NMBE (Coulon 1933)
Pristicerops infractorius: NMBE (Dalla Torre 1902)
Pristiceros serrarius: NMB (*)
Probolus culpatorius: MZL (Fuesslin 1775)
Protichneumon fusorius: NMB (Blösch 1906)
Protichneumon pisorius: NMB (Fuesslin 1775)
Protichneumon similatorius: NMB (Bauer 2001; Blösch 1906)
Pseudoamblyteles homocerus: NMB (Habermehl 1917)
Psilomastax pyramidalis: NMB (Dell and Burckhardt 2004)
Spilichneumon ammonius: NMBE (*)
Spilichneumon celenae: (Artmann-Graf 2017)
Spilichneumon johansoni: NMBE (Artmann-Graf et al. 2009)
Spilichneumon limnophilus: NMBE (Artmann-Graf 2017)
Spilichneumon occisorius: (Artmann-Graf et al. 2009; Blösch 1906)

Spilothyrateles illuminatorius: RIE (Blösch 1906)
Spilothyrateles podolicus: (Artmann-Graf 2017)
Spilothyrateles punctus: NMBE (Berthoumieu 1895) – C3
Stenaoplus pictus: (Artmann-Graf et al. 2009)
Stenichneumon alpicola: (Horstmann 2000) – C3
Stenichneumon militarius: (Artmann-Graf et al. 2009; Ferrière 1947)
Stenobarichneumon basiglyptus: (Artmann-Graf 2016; Ferrière 1947)
Stenodontus marginellus: MZL (Blösch 1906)
Syspasis albiguttata: MZL (Coulon 1933)
Syspasis carinator: MZL (*)
Syspasis lineator: MZL (Tischbein 1881) – C3
Syspasis scutellator: MZL (Blösch 1906)
Syspasis tauma: MZL (*)
Thyrateles camelinus: NMBE (Artmann-Graf et al. 2009; Blösch 1906) – C3
Thyrateles haereticus: (Julliard 1948; Townes et al. 1965)
Trachyarus anceps: MZL (*)
Trachyarus brevipennis: (Gokhman 2007)
Trachyarus corvinus: NMBE (*)
Trachyarus decipiens: (Gokhman 2007)
Trachyarus fuscipes: (Gokhman 2007)
Trachyarus punctigaster: MZL (*)
Tricholabus strigatorius: (Artmann-Graf et al. 2009)
Triptognathus atripes: (Artmann-Graf 2017; Berthoumieu 1895)
Triptognathus luteomaculatus: (Hilpert et al. 1993) – C2
Triptognathus unifasciatus: (Artmann-Graf 2017; Coulon 1933)
Trogus lapidator: NMBE (Blösch 1906)
Tycherus australogeminus: MZL (*)
Tycherus bellicornis: MZL (*)
Tycherus bolivari: MZL (*)
Tycherus boreoalpinus: MZL (*)
Tycherus cephalotes: MZL (*)
Tycherus elongatus: MZL (*)
Tycherus fennicus: MZL (*)
Tycherus flavidens: MZL (*)
Tycherus fuscibucca: (Brockerhoff and Kenis 1996)
Tycherus fuscicornis: MZL (*)
Tycherus gracilis: MZL (*)
Tycherus impiger: MZL (*)
Tycherus ischiomelinus: MZL (*)
Tycherus jucundus: MZL (*)
Tycherus maxi: (Diller and Zwakhals 2009)
Tycherus modestus: MZL (Dalla Torre 1902) – C3
Tycherus montivagator: MZL (*)
Tycherus ophtalmicus: MZL (Ferrière 1947)
Tycherus osculator: MZL (Dalla Torre 1902)
Tycherus septentrionalis: MZL (*)
Tycherus socialis: MZL (*)
Tycherus stockerorum: NMBE (Diller et al. 2008)
Tycherus suspicax: MZL (*)
Tycherus teres: MZL (*)
Tycherus vafer: (Diller and Horstmann 1994) – C3
Tycherus vagus: (Jenner et al. 2004)
Ulesta perspicua: MZL (Kriechbaumer 1872b) – C3
Virgichneumon albosignatus: (Artmann-Graf et al. 2009; Blösch 1906)
Virgichneumon callicerus: (Artmann-Graf 2016; Ferrière 1947)
Virgichneumon digrammus: (Artmann-Graf 2016)
Virgichneumon dumeticola: (Artmann-Graf 2016)
Virgichneumon krapinensis: (Artmann-Graf 2012)
Virgichneumon monostagon: (Artmann-Graf 2012)
Virgichneumon tergenus: (Artmann-Graf et al. 2009)
Vulgichneumon bimaculatus: (Artmann-Graf 2016)
Vulgichneumon deceptor: (Artmann-Graf et al. 2009; Ferrière 1947)
Vulgichneumon saturatorius: (Artmann-Graf et al. 2009; Fuesslin 1775)
Vulgichneumon suavis: (Artmann-Graf et al. 2009; Blösch 1906)

Lycorininae

Lycorina triangulifera: MHNG (*)

Mesochorinae

Astiphromma aggressor: MZL (Riedel 2015)
Astiphromma albitarse: MZL (Riedel 2015)
Astiphromma alpinum: NMB (Riedel 2015)
Astiphromma anale: NMB (Schwenke 1999)
Astiphromma buccatum: (Schwenke 1999)
Astiphromma diversum: (Artmann-Graf et al. 2009; Schwenke 1999)
Astiphromma dorsale: MZL (Riedel 2015)
Astiphromma hirsutum: MZL (Riedel 2015)
Astiphromma nigrocoxatum: MZL (Riedel 2015)
Astiphromma pictum: MZL (Riedel 2015)
Astiphromma scutellatum: MZL (Riedel 2015)
Astiphromma splenium: MZL (Blösch 1906)
Astiphromma striatum: MZL (Riedel 2015)
Astiphromma tenuicorne: NMB (Riedel 2015)
Astiphromma varipes: MZL (Riedel 2015)
Cidaphus atricilla: (Habermehl 1923; Lee 1991) – C3
Mesochorus arenarius: (Schwenke 1999)
Mesochorus callis: (Schwenke 1999)
Mesochorus chasseralis: (Schwenke 1999) – C2
Mesochorus clarus: (Schwenke 1999)
Mesochorus coartatus: (Schwenke 1999)
Mesochorus curvulus: (Schwenke 1999)
Mesochorus declinans: (Schwenke 1999)
Mesochorus formosus: MHNG (*)
Mesochorus giberius: ETHZ (*)
Mesochorus halticae: (Schwenke 1999) – C2
Mesochorus lilioceriphilus: (Schwenke 2000) – C2
Mesochorus olerum: NMBE (Horstmann 2006b)
Mesochorus punctipleuris: (Blösch 1906; Schwenke 1999)
Mesochorus scopulus: (Schwenke 1999) – C2
Mesochorus semirufus: (Blösch 1906; Schwenke 1999)
Mesochorus sublimis: (Schwenke 1999) – C2
Mesochorus suomiensis: (Schwenke 1999)
Mesochorus superbus: RIE (*)
Mesochorus tenthredinidis: (Horstmann 2006b)
Mesochorus tetricus: (Schwenke 1999)

Metopiinae

Chorinaeus australis: MZL (Aeschlimann 1975)
Chorinaeus brevicalcar: (Aeschlimann 1975)
Chorinaeus cristator: MZL (Aeschlimann 1975)
Chorinaeus flavipes: MZL (*)
Chorinaeus funebris: MZL (Bovey 1958)
Chorinaeus hastianae: (Aeschlimann 1975)
Chorinaeus longicornis: MZL (Aeschlimann 1975)
Chorinaeus subcarinatus: (Aeschlimann 1975)
Chorinaeus talpa: MZL (Aeschlimann 1975)
Colpotrochia cincta: MZL (Blösch 1906)
Exochus albicinctus: MZL (*)
Exochus alpinus: MZL (*)
Exochus citripes: MZL (*)
Exochus consimilis: MZL (*)
Exochus erythronotus: MZL (Blösch 1906)
Exochus flavomarginatus: MZL (*)
Exochus foveolatus: MZL (*)
Exochus gravipes: MZL (Blösch 1906)
Exochus gravis: MZL (*)
Exochus incidens: MZL (*)
Exochus lentipes: MZL (Moreau et al. 2010)
Exochus lictor: MZL (*)
Exochus marklini: MZL (*)
Exochus mitratus: MZL (*)
Exochus nigripalpis: MZL (Ferrière 1947)
Exochus pictus: MZL (*)
Exochus prosopius: MZL (*)
Exochus semilividus: MZL (Dalla Torre 1902)
Exochus suborbitalis: MZL (*)
Exochus tibialis: MZL (Blösch 1906)
Exochus vafer: MZL (*)
Hypsicera britannica: MZL (Aeschlimann 1989)
Hypsicera curvator: MZL (*)
Hypsicera eriplanator: MZL (Aubert 1969c) – C1
Hypsicera femoralis: MZL (Blösch 1906)
Hypsicera flaviceps: MZL (*)
Hypsicera subtilitor: MZL (*)
Lapton femoralis: MZL (Ferrière 1946)
Metopius citratus: MZL (Blösch 1906)
Metopius dentatus: MZL (Blösch 1906)
Metopius fuscipennis: MZL (*)
Metopius leiopygus: NMBE (*)
Metopius longispina: (Clément 1930)
Metopius pinatorius: MZL (*)
Periope auscultator: MZL (*)
Periope hoerhammeri: MZL (*)
Spudaeus scaber: MZL (*)
Stethoncus sulcator: (Aubert 1965c)
Triclistus aethiops: (Aeschlimann 1973a; Ferrière 1947)
Triclistus albicinctus: MZL (Aeschlimann 1973a)
Triclistus alpinator: MZL (Aeschlimann 1973a)
Triclistus congener: MZL (Aeschlimann 1973a)
Triclistus globulipes: MZL (Aeschlimann 1973a)
Triclistus lativentris: MZL (Aeschlimann 1973a)
Triclistus niger: MZL (Aeschlimann 1973a; Ferrière 1947)
Triclistus pallipes: MZL (Aeschlimann 1973a; Bovey 1958)
Triclistus podagricus: MZL (Aeschlimann 1973a; Deluchi 1957) – C1
Triclistus pygmaeus: MZL (Aeschlimann 1973a)
Trieces dinianae: ETHZ (Aeschlimann 1973b) – C1
Trieces facialis: MZL (*)
Trieces rufimitranae: (Aeschlimann 1973b)
Trieces thuringiacus: MZL (Aeschlimann 1973b)
Trieces tricarinatus: MZL (Anonymous 1960)
Microleptinae
Microleptes splendidulus: MZL (*)

Ophioninae

Enicospilus adustus: ETHZ (Haller 1885, Broad and Shaw 2016) – C1
Enicospilus combustus: NMB (*)
Enicospilus merdarius: NMB (Townes et al. 1965) – C3
Enicospilus ramidulus: MZL (Blösch 1906)
Enicospilus repentinus: MZL (Ferrière 1947)
Eremotylus divisor: MZL (*)
Eremotylus marginatus: MZL (Horstmann 1981a)
Hellwigia obscura: (Artmann-Graf 2012)
Ophion areolaris: MZL (*)
Ophion brevicornis: MZL (*)
Ophion costatus: NMBE (Artmann-Graf 2012)
Ophion forticornis: NMBE (*)
Ophion longigena: NMBE (*)
Ophion luteus: NMBE (Fuesslin 1775)
Ophion minutus: MZL (Kenis et al. 2005)
Ophion obscuratus: MZL (Artmann-Graf et al. 2009)
Ophion ocellaris: MZL (Artmann-Graf et al. 2009)
Ophion parvulus: NMBE (Artmann-Graf et al. 2009)
Ophion pteridis: MZL (*)
Ophion scutellaris: MZL (Artmann-Graf et al. 2009)
Ophion ventricosus: MZL (Blösch 1906)
Stauropoctonus bombycivorus: NMBE (*)

Orthocentrinae

Aperileptus albipalpus: MZL (*)
Aperileptus flavus: MZL (*)
Aperileptus impurus: MZL (*)
Aperileptus vanus: NMBE (*)
Apoclima signaticorne: MZL (*)
Batakomacrus caudatus: MZL (*)
Catastenus femoralis: MZL (*)
Dialipsis exilis: MZL (*)
Entypoma robustator: MZL (Aubert 1968b)
Entypoma robustum: MZL (*)
Entypoma suspiciosum: MZL (*)
Eusterinx bispinosa: MZL (*)
Eusterinx fleischeri: (Aubert 1968b)
Eusterinx minima: MZL (Aubert 1976b)
Eusterinx obscurella: MZL (*)
Eusterinx oligomera: MZL (Dalla Torre 1902, van Rossem 1982) – C3
Eusterinx subdola: MZL (*)
Eusterinx tenuicincta: MZL (*)
Gnathochorisis crassulus: NMBE (*)
Gnathochorisis dentifer: MZL (*)

Helictes borealis: NMBE (van Rossem 1987)
Helictes conspicuus: (van Rossem 1987)
Helictes erythrostoma: NMBE (van Rossem 1987)
Hyperacmus crassicornis: MZL (*)
Megastylus cruentator: NMBE (Blösch 1906)
Megastylus excubitor: MZL (*)
Megastylus flavopictus: MZL (*)
Megastylus impressor: NMBE (*)
Megastylus orbitator: MZL (*)
Megastylus pectoralis: NMBE (*)
Megastylus pleuralis: MZL (*)
Orthocentrus asper: MZL (*)
Orthocentrus attenuatus: MZL (*)
Orthocentrus frontator: MZL (*)
Orthocentrus fulvipes: MZL (Blösch 1906)
Orthocentrus hirsutor: MZL (Aubert 1970c)
Orthocentrus marginatus: MZL (*)
Orthocentrus protervus: MZL (*)
Orthocentrus sannio: MZL (Blösch)
Orthocentrus spurius: MZL (Seyrig 1928)
Orthocentrus winnertzii: MZL (*)
Pantisarthrus lubricus: MZL (*)
Picrostigeus debilis: NMBE (*)
Picrostigeus obscurus: NMBE (*)
Plectiscidea amicalis: MZL (*)
Plectiscidea canaliculata: MZL (*)
Plectiscidea collaris: MZL (*)
Plectiscidea communis: NMBE (*)
Plectiscidea crassicornis: MZL (van Rossem 1987)
Plectiscidea eurystigma: MZL (*)
Plectiscidea humeralis: MZL (*)
Plectiscidea melanocera: MZL (*)
Plectiscidea monticola: MZL (van Rossem 1987) – C2
Plectiscidea nava: (van Rossem 1987)
Plectiscidea quadrierosa: (Aubert 1976b)
Plectiscidea tenuicornis: MZL (*)
Plectiscidea vagator: (van Rossem 1987) – C2
Plectiscus impurator: MZL (*)
Proclitus attentus: MZL (*)
Proclitus comes: MZL (*)
Proclitus fulvicornis: MZL (*)
Proclitus paganus: MZL (*)
Proclitus praetor: MZL (*)
Proclitus rudis: MZL (*)
Stenomacrus carbonariae: MZL (*)
Stenomacrus cubiceps: NMBE (*)
Stenomacrus curvicaudatus: MZL (*)
Stenomacrus inferior: MZL (Aubert 1981)
Stenomacrus laricis: MZL (*)
Stenomacrus laticollis: MZL (*)
Stenomacrus merula: MZL (*)
Stenomacrus pallipes: MZL (*)
Symplecis alpicola: (Dalla Torre 1902) – C2
Symplecis beaumontor: MZL (Aubert 1968b) – C1
Symplecis bicingulata: MZL (*)

Orthopelmatinae

Orthopelma brevicorne: MHNG (*)
Orthopelma mediator: NMBE (Blösch 1906)

Oxytorinae

Oxytorus armatus: MZL (Ferrière 1947)
Oxytorus luridator: MZL (Blösch 1906)

Pimplinae

Acrodactyla carinator: MZL (Aubert 1969a) – C1
Acrodactyla degener: MZL (Aubert 1969a)
Acrodactyla quadrisculpta: MZL (Aubert 1969a)
Acropimpla didyma: MZL (Blösch 1906)
Acropimpla pictipes: MZL (Aubert 1969a)
Apechthis capulifera: MZL (Aubert 1969a)
Apechthis compunctor: MZL (Fuesslin 1775)
Apechthis quadridentata: MZL (Delucchi 1982)
Apechthis rufata: MZL (Blösch 1906)
Atractogaster semisculptus: (Kriechbaumer 1872a) – C2
Clistopyga incitator: MZL (*)
Clistopyga rufator: MZL (*)
Delomerista laevis: MZL (Habermehl 1917)
Delomerista mandibularis: MZL (Aubert 1969a)
Dolichomitus aciculatus: NMBE (Mevi-Schuetz et al. 2006)
Dolichomitus agnoscendus: NMBE (Mevi-Schuetz et al. 2006)
Dolichomitus cephalotes: MZL (Aubert 1969a)
Dolichomitus curticornis: NMBE (Mevi-Schuetz et al. 2006)
Dolichomitus diversicostae: NMBE (Mevi-Schuetz et al. 2006)
Dolichomitus dobrogensis: NMBE (Mevi-Schuetz et al. 2006)
Dolichomitus dux: NMBE (Aubert 1969a)
Dolichomitus imperator: NMBE (Aubert 1969a)
Dolichomitus kriechbaumeri: NMBE (Kriechbaumer 1896)
Dolichomitus mesocentrus: NMBE (Blösch 1906)
Dolichomitus messor: NMBE (Aubert 1969a)
Dolichomitus populneus: NMBE (Aubert 1969a)
Dolichomitus pterelas: NMBE (Aubert 1969a)
Dolichomitus scutellaris: MZL (Aubert 1969a)
Dolichomitus sericeus: NMBE (Mevi-Schuetz et al. 2006)
Dolichomitus terebrans: MZL (Ferrière 1947)
Dolichomitus tuberculatus: MZL (Blösch 1906)
Endromopoda arundinator: MZL (*)
Endromopoda detrita: MZL (Blösch 1906)
Endromopoda nigricoxis: MZL (Aubert 1969a)
Endromopoda phragmitidis: NMBE (Dely-Draskovits et al. 1993)
Ephialtes duplicauda: MZL (*)
Ephialtes manifestator: MZL (Fuesslin 1775)
Exeristes arundinis: MZL (Aubert 1969a)
Exeristes roborator: MZL (Artmann-Graf et al. 2009)
Exeristes ruficollis: NMBE (*)
Fredegunda diluta: MZL (Aubert 1969a)
Gregopimpla inquisitor: MZL (Aubert 1966c)
Gregopimpla malacosomae: MHNG (*)
Iseropus stercorator: MZL (Ferrière 1947)
Itoplectis alternans: MZL (Uffeln 1940)

Itoplectis aterrima: NMBE (Aubert 1966b)
Itoplectis clavicornis: MZL (*)
Itoplectis curticauda: MZL (Blösch 1906)
Itoplectis enslini: MZL (Perkins 1957) – C3
Itoplectis insignis: MZL (Aubert 1969a) – C2
Itoplectis maculator: NMBE (Blösch 1906)
Itoplectis quadricingulata: MHNG (Ferrière 1947)
Itoplectis tunetana: MZL (Aubert 1969a)
Itoplectis viduata: MZL (Julliard 1948)
Liotryphon ascaniae: MZL (Aubert 1969a)
Liotryphon caudatus: MZL (Geier 1957)
Liotryphon crassiseta: NMBE (Aubert 1969a)
Liotryphon punctulatus: MZL (Aubert 1969a)
Liotryphon strobilellae: MZL (Aubert 1969a)
Megaetaira madida: MZL (*)
Oxyrrhexis carbonator: MZL (*)
Paraperithous gnathaulax: MZL (Aubert 1969a)
Perithous albicinctus: MZL (Aubert 1969a)
Perithous divinator: MZL (Aubert 1969a)
Perithous scurra: MZL (Blösch 1906)
Perithous septemcinctorius: MZL (Blösch 1906)
Pimpla arctica: MZL (Ferrière 1947)
Pimpla contemplator: MZL (Ferrière 1947)
Pimpla flavicoxis: MZL (Artmann-Graf et al. 2009)
Pimpla illecebrator: (Artmann-Graf et al. 2009)
Pimpla insignatoria: (Artmann-Graf 2012)
Pimpla melanacrias: NMB (Ferrière 1947)
Pimpla murinanae: NMB (Kasparyan 1974)
Pimpla nigrohirsuta: (Horstmann 2001c)
Pimpla rufipes: NMB (Blösch 1906)
Pimpla sodalis: NMBE (Ferrière 1947) – C3
Pimpla spuria: NMB (Ferrière 1947)
Pimpla turionellae: NMB (Fuesslin 1775)
Pimpla wilchristi: NMBE (*)
Piogaster pilosator: MZL (*)
Polysphincta boops: MZL (*)
Polysphincta rufipes: MZL (Aubert 1969a)
Polysphincta tuberosa: MZL (Aubert 1969a)
Pseudorhyssa alpestris: NMBE (*) – C17
Pseudorhyssa nigricornis: NMBE (Aubert 1969a) – C17
Reclinervellus nielseni: MZL (*)
Scambus alpestrator: (Aubert 1969a)
Scambus brevicornis: MZL (Blösch 1906)
Scambus buolianae: NMB (Artmann-Graf et al. 2009)
Scambus calobatus: NMB (Blösch 1906)
Scambus capitator: (Aubert 1966c) – C3
Scambus cincticarpus: MZL (Dalla Torre 1902) – C2
Scambus eucosmidarum: NMBE (Aubert 1966c)
Scambus inanis: NMBE (Aubert 1969a)
Scambus nigricans: NMBE (Townes et al. 1965)
Scambus pomorum: MZL (Aubert 1966c)
Scambus sagax: MZL (Aubert 1969a)
Scambus signatus: MZL (Aubert 1969a)
Scambus strobilorum: MZL (Aubert 1966c)
Scambus vesicarius: MZL (Aubert 1969a)
Schizopyga circulator: MZL (*)
Schizopyga frigida: MZL (Aubert 1969a)
Schizopyga pictifrons: MZL (*)
Schizopyga podagrica: NMBE (*)
Sinarachna nigricornis: MZL (*)
Sinarachna pallipes: MZL (Aubert 1969a)
Theronia atalantae: MZL (Dalla Torre 1902)
Theronia laevigata: MZL (Aubert 1969a)
Townesia tenuiventris: MZL (*)
Tromatobia forsiusi: NMBE (*)
Tromatobia lineatoria: MZL (*)
Tromatobia ornata: MZL (Ferrière 1947)
Tromatobia ovivora: MZL (Artmann-Graf et al. 2009)
Tromatobia variabilis: MZL (*)
Zaglyptus multicolor: MZL (Blösch 1906)
Zaglyptus varipes: NMBE (Artmann-Graf et al. 2009)
Zatypota albicoxa: NMBE (*)
Zatypota bohemani: MZL (*)
Zatypota discolor: MZL (Habermehl 1917)
Zatypota percontatoria: MZL (Aubert 1969a)
Zatypota picticollis: NMB (Ferrière 1947)

Poemeniinae

Deuteroxorides elevator: NMB (Aubert 1969a)
Neoxorides collaris: NMBE (Blösch 1906)
Neoxorides montanus: NMBE (*)
Neoxorides nitens: NMBE (Artmann-Graf et al. 2009)
Podoschistus scutellaris: NMBE (*)
Poemenia brachyura: NMBE (Ferrière 1947)
Poemenia collaris: NMBE (*)
Poemenia hectica: NMBE (Blösch 1906)
Poemenia notata: NMBE (Aubert 1969a)

Rhyssinae

Megarhyssa perlata: RIE (*)
Megarhyssa rixator: MZL (Steck 1891)
Megarhyssa superba: RIE (Dalla Torre 1902)
Rhyssa amoena: NMBE (*)
Rhyssa kriechbaumeri: ZSM (Kriechbaumer 1887) – C1
Rhyssa persuasoria: MZL (Fuesslin 1775)
Rhyssella approximator: NMBE (Artmann-Graf et al. 2009)
Rhyssella obliterata: MZL (*)

Stilbopinae

Stilbops asper: MZL (Aubert 1978)
Stilbops ruficornis: MZL (Artmann-Graf et al. 2009)
Stilbops vetulus: MZL (*)

Tersilochinae

Astrenis paradoxa: MZL (*)
Barycnemis alpina: (Horstmann 1981b)
Barycnemis angustipennis: (Blösch 1906; Horstmann 1981b)
Barycnemis dissimilis: (Horstmann 1981b)
Barycnemis exhaustor: NMB (Blösch 1906)
Barycnemis filicornis: (Horstmann 1981b)
Barycnemis gravipes: NMB (Blösch 1906)
Barycnemis harpura: NMB (Blösch 1906; Horstmann 1981b)
Diaparsis jucunda: (Gold et al. 2001)

Diaparsis nutritor: (Horstmann 1971)
Earobia paradoxa: MZL (Perkins 1958) – C2
Epistathmus crassicornis: (Horstmann 1981b)
Gelanes altenhoferi: (Khalaim and Blank 2011)
Gelanes cuspidatus: (Khalaim and Blank 2011)
Gelanes fusculus: (Khalaim and Blank 2011)
Gelanes simillimus: (Khalaim and Blank 2011)
Phradis brevis: (Khalaim et al. 2009)
Phradis interstitialis: (Horstmann 1971)
Phrudus monilicornis: MZL (Vikberg and Koponen 2000)
Probles caudiculatus: (Khalaim 2007)
Probles extensor: (Aubert 1971) – C2
Probles flavipes: (Horstmann 1971)
Probles longisetosus: (Horstmann 1981b)
Probles microcephalus: (Horstmann 1971)
Probles nigriventris: (Horstmann 1971)
Probles tenuicornis: (Horstmann 1981b) – C2
Probles versutus: (Horstmann 1981b)
Tersilochus caudatus: (Ferrière 1947; Horstmann 1971)
Tersilochus curvator: (Jordan 1998)
Tersilochus jocator: (Horstmann 1971)
Tryphoninae
Acrotomus lucidulus: MHNG (Blösch 1906)
Acrotomus succinctus: MHNG (*)
Boethus thoracicus: MHNG (Horstmann 2006a; Kriechbaumer 1890b) – C3
Cladeutes discedens: MZL (*)
Cosmoconus ceratophorus: (Artmann-Graf 2014; Ferrière 1947)
Cosmoconus elongator: MZL (Ferrière 1947)
Cosmoconus genalis: MZL (*)
Cosmoconus meridionator: (Artmann-Graf et al. 2009)
Cosmoconus nigriventris: (Artmann-Graf et al. 2009)
Cteniscus maculiventris: MHNG (Kerrich 1952)
Cteniscus scalaris: (Kerrich 1953)
Ctenochira annulata: MZL (*)
Ctenochira arcuata: MZL (Aubert 1965a) – C3
Ctenochira genalis: MZL (*)
Ctenochira gilvipes: (Artmann-Graf 2014)
Ctenochira grossa: MZL (*)
Ctenochira helveticator: MZL (Aubert 1965a) – C1
Ctenochira infesta: MZL (*) – C18
Ctenochira irrisa: (Kasparyan 1973)
Ctenochira marginata: (Artmann-Graf 2014)
Ctenochira oreophila: MZL (*)
Ctenochira pastoralis: MZL (Blösch 1906)
Ctenochira pectinata: MZL (*)
Ctenochira pratensis: MZL (*)
Ctenochira propinqua: MZL (*)
Ctenochira rubranator: MZL (Kasparyan 1973)
Ctenochira rufipes: MZL (Kasparyan 1973)
Ctenochira sphaerocephala: MZL (*)
Ctenochira tarsata: (Kasparyan 1973)
Cycasis rubiginosa: MHNG (Kirchner 1867)
Dyspetes luteomarginatus: MZL (Artmann-Graf et al. 2009)
Eclytus ornatus: MZL (*)
Eridolius alacer: MZL (Artmann-Graf et al. 2009)
Eridolius basalis: MZL (Blösch 1906)
Eridolius dorsator: MZL (Kasparyan 1990)
Eridolius flavomaculatus: MZL (*)
Eridolius pachysoma: MZL (Artmann-Graf et al. 2009)
Eridolius rufilabris: MZL (Kasparyan 1990)
Eridolius rufonotatus: MHNG (Kerrich 1952)
Erromenus alpestrator: MZL (Aubert 1969c) – C1
Erromenus alpinator: MZL (Aubert 1969c) – C1
Erromenus bibulus: (Artmann-Graf 2014)
Erromenus brunnicans: MZL (Blösch 1906)
Erromenus junior: MZL (Blösch 1906)
Erromenus melanonotus: MZL (*)
Erromenus nitens: MZL (Aubert 1969c) – C3
Erromenus plebejus: MZL (*)
Erromenus punctatus: MZL (*)
Erromenus punctulatus: MZL (Townes et al. 1992)
Erromenus terebrellator: MZL (Aubert 1969c) – C1
Erromenus zonarius: MZL (Ferrière 1947)
Exenterus adspersus: (Kerrich 1952)
Exenterus amictorius: MHNG (Blösch 1906)
Exenterus ictericus: MZL (Kerrich 1952)
Exenterus vellicatus: MZL (*)
Exyston albicinctus: MHNG (Kerrich 1952)
Exyston genalis: MHNG (Kerrich 1952)
Exyston montanus: MHNG (Fitton 1976) – C1
Exyston pratorum: MHNG (Kerrich 1952)
Exyston sponsorius: MHNG (Blösch 1906)
Exyston subnitidus: MHNG (Kerrich 1952)
Grypocentrus albipes: MZL (*)
Grypocentrus cinctellus: MZL (Artmann-Graf 2014)
Grypocentrus incisulus: MZL (*)
Hercus fontinalis: MZL (Baltensweiler 1958)
Kristotomus laetus: MZL (Ferrière 1947)
Kristotomus laticeps: MZL (*)
Kristotomus ridibundus: MZL (Kerrich 1952)
Kristotomus triangulatorius: MZL (Ferrière 1947)
Monoblastus brachyacanthus: MZL (Blösch 1906)
Monoblastus caudatus: MZL (*)
Monoblastus discedens: (Artmann-Graf 2014)
Monoblastus fulvescens: NMBE (Brauns 1888)
Monoblastus marginellus: MZL (*)
Neleges proditor: MZL (Artmann-Graf 2014)
Netelia caucasica: MZL (*)
Netelia contiguator: MZL (Delrio 1975)
Netelia cristata: MZL (Delrio 1975)
Netelia elevator: MZL (Delrio 1975)
Netelia fulvator: MZL (Delrio 1975)
Netelia fuscicornis: MZL (Blösch 1906)
Netelia japonica: MZL (Delrio 1975)
Netelia latungula: MZL (Delrio 1975)
Netelia lineolata: MZL (Delrio 1975)
Netelia melanura: MZL (*)
Netelia nigricarpus: MZL (Delrio 1975)
Netelia ocellaris: MZL (Delrio 1975)
Netelia opacula: MZL (Delrio 1975)
Netelia silantjewi: (Delrio 1975)
Netelia tarsata: MZL (Delrio 1975)
Netelia terebrator: MZL (Delrio 1975)
Netelia testacea: MZL (Artmann-Graf et al. 2009)

Netelia thomsonii: MZL (Kriechbaumer 1890a) – C3
Netelia vinulae: MZL (*)
Netelia virgata: MZL (Blösch 1906)
Oedemopsis scabricula: MZL (*)
Otoblastus luteomarginatus: MZL (*)
Phytodietus alpinator: MZL (Kasparyan 1993a)
Phytodietus arcuatorius: MZL (Haeselbarth 1989)
Phytodietus astutus: MZL (Ferrière 1947)
Phytodietus elongator: MZL (*)
Phytodietus femoralis: MZL (Haeselbarth 1989)
Phytodietus gelitorius: MZL (Delucchi 1982)
Phytodietus geniculatus: (Kasparyan 1993a)
Phytodietus griseanae: MZL (Kerrich 1962) – C2
Phytodietus ornatus: MZL (*)
Phytodietus polyzonias: MZL (Blösch 1906)
Phytodietus variegatus: MZL (*)
Polyblastus melanostigmus: MZL (Townes et al. 1992)
Polyblastus pedalis: MZL (*)
Polyblastus pumilus: MZL (*)
Polyblastus tener: MZL (Artmann-Graf 2014)
Polyblastus varitarsus: MZL (Blösch 1906)
Polyblastus wahlbergi: MZL (*)
Polyblastus westringi: MZL (*)
Smicroplectrus bohemani: (Kerrich 1952)
Smicroplectrus excisus: (Kerrich 1952)
Smicroplectrus heinrichi: MHNG (Kerrich 1952)
Smicroplectrus jucundus: MHNG (Kerrich 1952)
Smicroplectrus quinquecinctus: MHNG (Kerrich 1952)
Sphinctus serotinus: MZL (*)
Thymaris collaris: MZL (Kasparyan 1993b)
Thymaris niger: MZL (Kasparyan 1993b) – C19
Thymaris tener: MZL (Blösch 1906)
Tryphon abditus: MZL (*)
Tryphon atriceps: MZL (Blösch 1906)
Tryphon bidentatus: MZL (Blösch 1906)
Tryphon bidentulus: MZL (Artmann-Graf 2014)
Tryphon brevipetiolaris: MZL (Kasparyan 1969)
Tryphon duplicatus: MZL (*)
Tryphon exclamationis: MZL (*)
Tryphon fulviventris: MZL (Kasparyan 1973)
Tryphon hinzi: MZL (*)
Tryphon latrator: MZL (Blösch 1906)
Tryphon nigripes: MZL (Artmann-Graf et al. 2009)
Tryphon obtusator: MZL (Ferrière 1947)
Tryphon rarus: MZL (Kasparyan 1969) – C1
Tryphon relator: MZL (Blösch 1906)
Tryphon rutilator: MZL (Fuesslin 1775)
Tryphon signator: MZL (Blösch 1906)
Tryphon subsulcatus: MZL (*)
Tryphon thomsoni: MZL (Artmann-Graf 2014)
Tryphon trochanteratus: MZL (Artmann-Graf 2014)

Xoridinae

Ischnoceros caligatus: MZL (Dalla Torre 1902)
Ischnoceros rusticus: MZL (*)
Odontocolon appendiculatum: MZL (Ferrière 1947)
Odontocolon dentipes: NMBE (Blösch 1906)
Odontocolon geniculatum: MZL (Townes et al. 1965) – C2
Odontocolon quercinum: MZL (Townes et al. 1965)
Odontocolon spinipes: NMBE (Bauer 2002)
Odontocolon thomsoni: NMBE (Aubert 1969a)
Xorides alpestris: NMB (Aubert 1969a)
Xorides ater: MZL (Ferrière 1947)
Xorides brachylabis: NMBE (Ferrière 1947)
Xorides csikii: MZL (Aubert 1969a)
Xorides filiformis: MZL (Artmann-Graf et al. 2009)
Xorides fuligator: MZL (Blösch 1906)
Xorides gravenhorstii: MZL (Bauer 2002)
Xorides indicatorius: MZL (*)
Xorides irrigator: NMBE (Blösch 1906)
Xorides niger: MZL (Aubert 1969a)
Xorides praecatorius: NMBE (Blösch 1906)
Xorides propinquus: NMB (*)
Xorides rufipes: NMBE (Aubert 1969a)
Xorides sepulchralis: MHNG (*)

Comments

C1. The type locality of this species is in Switzerland and we have examined the name-bearing type(s) (at the institution specified in the list).
C2. The type locality of this species is in Switzerland, but no name-bearing types were examined (either because they are kept at an institution outside Switzerland, or their whereabouts are unknown).
C3. Name-bearing type of a junior synonym from Switzerland.
C4. Identified as subspecies *helveticator* Aubert (1969b).
C5. New combination for *Campoplex procerus* (Brischke, 1880) according to Riedel (2017).
C6. This is a valid species, not a synonym (Schwarz 2018).
C7. Identified as subspecies *alpigena* Förster, 1876.
C8. Identified as subspecies *holalpinus* Heinrich, 1951.
C9. Combination according to Schwarz (2016).
C10. This taxon in fact represents a complex of species which is currently under revision (M. Schwarz, pers. com.). The interpretation of this species might thus still change in the future.
C11. The status of this taxon is uncertain, see Klopfstein & Baur (2011).
C12. Reported in Artmann-Graf (2017) as "*Ctenichneumon rependinum* (Gravenhorst, 1820)".
C13. *Ichneumon acosmus* was described based on males only, and Hilpert (1992) in his revision of the genus suggested that they might belong to *Ichneumon saxifragator* Bauer (1985), for which only females are known. As he was uncertain, he did not formally synonymize the two though, and we still list both species here.
C14. *Ichneumon helveticus* was described based on males only, and Hilpert (1992) in his revision of the genus suggested that they might belong to

Ichneumon stenocerus Thomson. As he was uncertain, he did not formally synonymize the two though, and we still list both species here.

C15. *Ichneumon molitorius* Linnaeus, 1761 has a primary junior homonym, *Ichneumon molitorius* Cuvier, 1883 (Kittel 2016). We here refer to the species described by Linnaeus.

C16. *Ichneumon villepreuxae* Kittel, 2016 is a replacement name for *Ichneumon fuliginosus* Habermehl, 1909, which is a primary junior homonym of *Ichneumon fuliginosus* Gmelin, 1790. Habermehl (1909) described the species after a male from Switzerland. The location of the holotype is unknown, and we have not found any specimens in the Swiss collections.

C17. According to a recent phylogenetic study (Klopfstein et al. 2018), *Pseudorhyssa* belongs to the subfamilie Pimplinae, not Poemeniinae.

C18. Identified as subspecies *bipustulata* (Holmgren, 1857).

C19. *Thymaris niger* Taschenberg, 1865 has a secondary junior homonym, *Thymaris niger* (Momoi, 1970), which is likely a junior synonym of *T.maurus* Kasparyan, 1993 (according to Bennett 2015). We here refer to the species described by Taschenberg.

Discussion

Current state of ichneumonid research in Switzerland

Our checklist increases the number of ichneumonid species reported from Switzerland by several hundreds, even after excluding more than 200 doubtful records. The fact that all the major collections in Switzerland have been covered during the preparation of this list might imply that it is nearing completeness, a notion that we have to reject clearly. First of all, only some groups of ichneumonids were studied by specialists in detail, while others only received a patchy and somewhat unpredictable coverage. For example, the lists of Acaenitinae, Anomaloninae, Diplazontinae, Pimplinae, Poemeniinae, Rhyssinae and Xoridinae, as well as most of the small subfamilies, are probably fairly complete, as are those of some genera of Cryptinae and Ichneumoninae, for which extensive Swiss material has been included in recent revisions (see species list for references). On the other hand, entire subfamilies might easily still double their numbers for Switzerland, either because they are in need of taxonomic revisions, such as for example the Orthocentrinae and many genera of Campopleginae, and/or because the Swiss material still awaits treatment by a specialist.

Second, the Swiss collections only harbour specimens from part of the country. Only from five of the 5 km x 5 km squares on the map in Figure 1a are more than 1,000 ichneumonid specimens known, and these localities correspond to the collecting grounds of just a few entomologists: Auvernier NE, where J. de Beaumont lived; Lausanne VD, where he often went on collecting trips; Peney GE, where Henri Tournier lived; Bern BE, the main collecting area of Theodor Steck; and finally the Col de Bretolet in the commune of Champéry, a long-term bird-ringing station that was visited during repeated field trips by J. de Beaumont and both J.F. Aubert (the Plecoptera specialist) and J.F. Aubert (the Ichneumonidae specialist). Large areas of Switzerland, including the central and north-eastern parts and most of the Alps, have barely or not at all been sampled for ichneumonids. Even in easily accessible areas such as the central plane, numerous new records for Switzerland can still be expected, as evidenced by some recent faunistic studies from the area around Olten (Artmann-Graf 2012; 2014; 2015; 2016; 2017; Artmann-Graf et al. 2009).

How many species can we expect?

The present checklist increases the number of ichneumonids known from Switzerland to 1,878. This number is somewhat difficult to compare to estimates for the surrounding countries, because literature records are often unreliable in this group. Recent checklists compiled by specialists only exist for Germany (Horstmann 2001a: 3,332 species. Update in preparation by Riedel et al. pers. comm.: ~3,630 species) and for the United Kingdom (Broad 2016: 2,447 species). While the much higher number for Germany might partly be caused by its much larger size, the United Kingdom can be expected to harbour fewer species than Switzerland. This is supported by comparing the diversity of better-known groups that act as hosts for ichneumonids between the two countries, such as Macrolepidoptera (Broad et al. 2018). Asked for an educated guess of the number of species of ichneumonids in Switzerland, the late Klaus Horstmann, one of the most renowned specialists of the group, gave an estimate of 2,500 to 3,000 species (pers. comm.). If this is true, then there are still about 700 to 1,200 species left to discover, some of which might even be new to science. A not insignificant number of these can probably be expected in the subalpine and alpine habitats in Switzerland.

The alpine region: a hotspot of ichneumonid diversity?

Our analysis of altitudinal patterns in the ichneumonid data from GBIF (Fig. 2) found an increase in the number of species per collected specimen with altitude. Several reasons might contribute to this finding, first of all the lower number of specimens collected at higher altitudes in general and thus lower chance of approaching species saturation than at lower altitudes. Alternative explanations could be because the habitats at high altitude are more intact than those at low altitudes because they are less intensely managed, which might profit parasitoids as representatives of a high trophic level; a higher species turnover between different habitat types in the Alps; or a generally higher diversity of ichneumonids at high altitude. While the latter might be true for species attacking host groups that have a pronounced diversity peak in the alpine region, such as Ctenopelmatinae and Tryphoninae

attacking Symphyta and Diplazontinae attacking Syrphidae, it does not seem likely for other subfamilies.

Even if this pattern turns out to be an artefact caused by the overall poor sampling of this group in Switzerland and especially at higher altitudes, it clearly shows that the alpine regions are in need of further study. An overview of ichneumonids collected above the tree line in Hohen Tauern in Austria (Schwarz 2002b) concluded that about 9% of the species of the country could be collected there in a very small area. It also found that many more species can be expected, judging from the high number of singletons, and that about 10% of the species were probably not only new for the country, but for science. Aubert described more than 20 new species from the Col de Bretolet in the Valais (Klopfstein and Baur 2011), and an analysis of Malaise trap samples from Alp Flix in the Grison found 40% of European species of Diplazontinae, three of which are new to science, on an area of just a few square kilometres (Klopfstein 2014; Klopfstein et al. 2007).

Conclusion

This checklist represents a big step forward in our knowledge of Ichneumonidae in Switzerland. However, given the poor taxonomic and faunistics state of research in the group, it can only provide a starting point for further studies. A lot remains to be done, with hundreds of additional species still awaiting discovery in our country. Given the poor state of knowledge of the alpine ichneumonid fauna in general, many of these species will probably be new to science as well. Our findings underline the importance of resources being allocated to more poorly known insect groups, not only in order to provide species lists, but also to improve our understanding of the interrelations between species of different orders and guilds. The family Ichneumonidae includes many large and colourful species, and even though identification often presents challenges, they are a very rewarding study group and deserve increased attention by the entomological community in Switzerland.

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